DOCUMENT RESUME

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ABSTRACT

This document provides information concerning response patterns on selected exercises used by the National Assessment of Educational Progress (NAEP) Project of the Education Commission of the States in a 1972-1973 national survey of American attitudes and knowledge of science. Four age groups (9-year-olds, 13-year-olds, 17-year-olds, and adults) are included. Data are partitioned according to geographic region, sex, race, amount of parental education, and size and type of community. The exercise documentation includes copies of many of the exercises, cross-reference identification numbers, the objectives measured by an exercise, timing information, and descriptions of exercises by format, scoring requirements, and administration mode. (CP)

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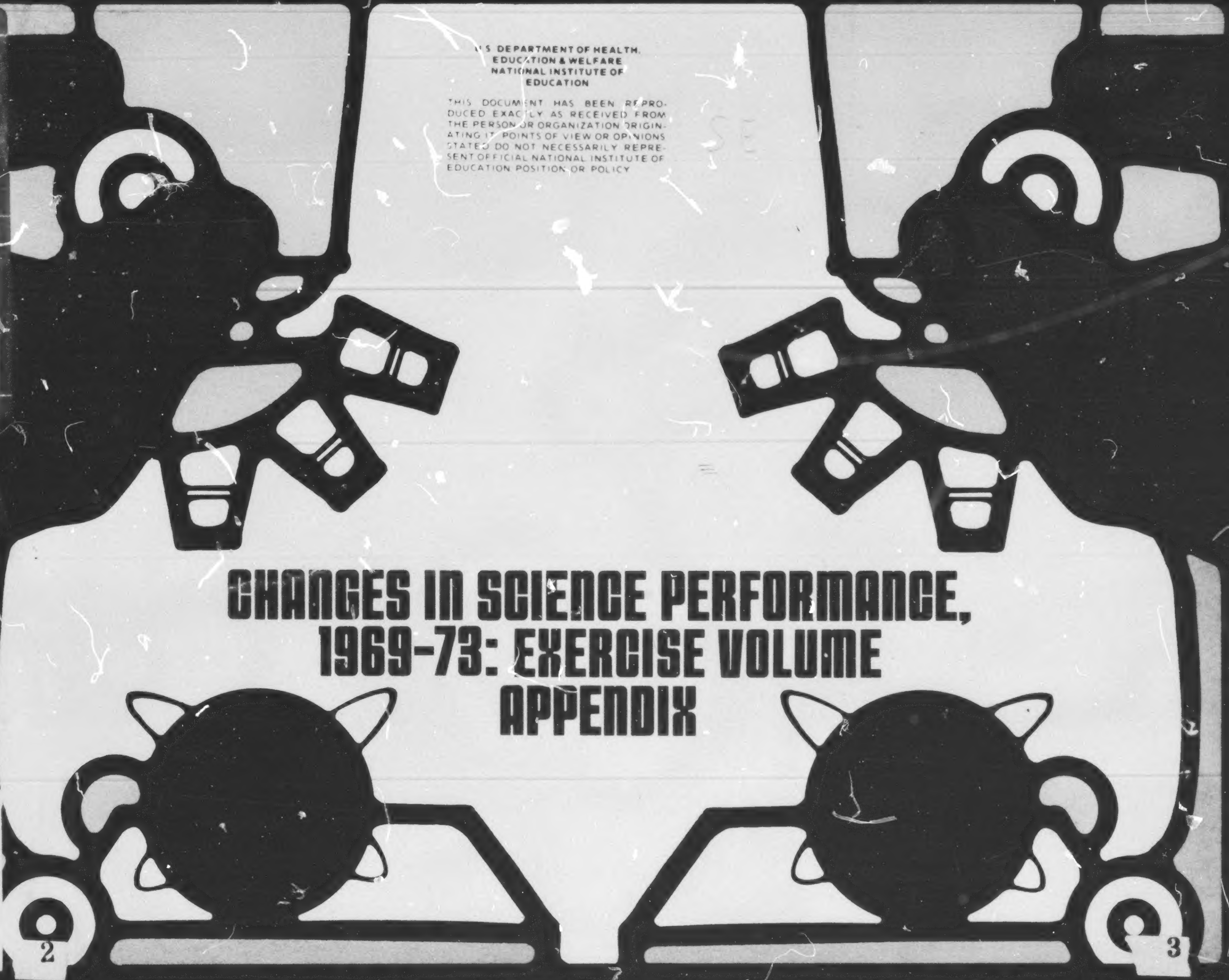

CHANGES IN SCIENCE PERFORMANCE, 1969-73: EXERCISE VOLUME APPENDIX

SE 022 587

(Continued From Inside Cover of Volume I)

Official National Assessment Reports

Music

03-MU-01	*The First National Assessment of Musical Performance, February 1974	$.55
03-MU-02	*A Perspective on the First Music Assessment, April 1974	.45
03-MU-03	*An Assessment of Attitudes Toward Music, September 1974	.85
03-MU-20	*Music Technical Report: Exercise Volume, December 1975	10.10
03-MU-21	*Music Technical Report: Summary Volume, November 1975	2.10
03-MU-00	*The First Music Assessment: An Overview, August 1974	.60

1972-73 Assessment

Mathematics

04-MA-01	*Math Fundamentals: Selected Results From the First National Assessment of Mathematics, January 1975	1.10
04-MA-02	*Consumer Math: Selected Results From the First National Assessment of Mathematics, June 1975	1.05
04-MA-20	*Mathematics Technical Report: Exercise Volume, February 1977	8.20
04-MA-21	*Mathematics Technical Report: Summary Volume, September 1976	2.55
04-MA-00	*The First National Assessment of Mathematics: An Overview, October 1975	1.25

Science

04-S-01	*Selected Results From the National Assessments of Science: Energy Questions, May 1975	.75
04-S-02	*Selected Results From the National Assessments of Science: Scientific Principles and Procedures, August 1975	1.25
04-S-03	*Selected Results From the National Assessments of Science: Attitude Questions, October 1975	1.45
04-S-20	*Changes in Science Performance, 1969-73: Exercise Volume, December 1975	3.85
04-S-20	*Changes in Science Performance, 1969-73: Exercise Volume, Appendix (2 vols.) April 1977	(to be determined)
04-S-00	*National Assessments of Science, 1969 and 1973: A Capsule Description of Changes in Science Achievement, February 1975	.75
BRS-1	*Science Achievement: Racial and Regional Trends, 1969-73 — First in a series of special reports presenting selected analyses of background variables, March 1976	1.20

1973-74 Assessment

Writing

05-W-01	*Writing Mechanics, 1969-1974: A Capsule Description of Changes in Writing Mechanics, October 1975	1.30
05-W-02	*Expressive Writing: Selected Results From the Second National Assessment of Writing, November 1976	1.30
05-W-03	*Explanatory and Persuasive Letter Writing: Selected Results From the Second National Assessment of Writing, February 1977	.90

Career and Occupational Development

05-COD-01	*Adult Work Skills and Knowledge: Selected Results From the First National Assessment of Career and Occupational Development, September 1976	1.50
05-COD-02	An Assessment of Career Development: Basic Work Skills — Selected Results From the First National Assessment of Career and Occupational Development, January 1977	(to be determined)
05-COD-00	*The First National Assessment of Career and Occupational Development: An Overview, November 1976	1.20

1974-75 Assessment

Reading

06-R-01	*Reading in America: A Perspective on Two Assessments, October 1976	1.05

1975-76 Assessment

Citizenship/Social Studies

07-CS-01	*Education for Citizenship: A Bicentennial Survey, November 1976	1.20

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A Project of the Education Commission of the States
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NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

CHANGES IN SCIENCE PERFORMANCE, 1969-73: EXERCISE VOLUME

APPENDIX - *Volume II*

Science Report No. 04-S-20

April 1977

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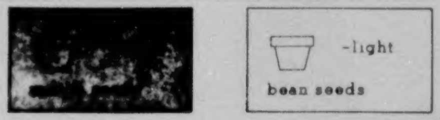
Tom wanted to find out whether plants can grow better in the dark or in the light. He put a pot with 6 radish seeds in a dark room and a pot with 6 bean seeds on the window sill.



He added the same amount of water to both pots. The bean seeds grew better than the radish seeds, so Tom said his plants grow best in the light.

To be able to say this, he should have

○ watered both pots more.
○ watered the radish seeds more.
● put the same kind of seeds in both pots.
○ grown the seeds in water instead of soil.

○ I don't know.

NAEP #: 204137-12

72-73 Report #: RB236
69-70 Report #: R133

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	01-23	01-22
69-70 Package-Exercise:	02-15	
72-73 National P-val:		
RB236	41.52	79.56
69-70 National P-value:		
RB236	46.15	

Timing: (in seconds)

	Stimulus:	37	39
	Response:	13	11
	I don't know:	5	5
	Pause:	6	6
RB236	Exercise total:	61	61

EXERCISE: 204137-12 RB236

To see where seeds grow best, Tom put radishes in dark, beans in light and watered them equally. Beans grew better so Tom said plants grow best in light. To say this he should have

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.03	0.43	0.19	0.22	3.23	1.48	0.5[illegible]	0.48	1.28	6.11	2.26	0.00	1.09	0.69	1.21	0.31	10.59	0.00	1.53	0.00	0.25	0.19
1969-70 P-VALUE	0.16	0.00	0.15	0.00	0.59	0.06	0.2[illegible]	0.08	0.00	1.45	0.65	0.00	0.14	0.00	0.28	0.00	0.00	0.00	0.52	0.50	0.34	0.00
CHANGE P-VALUE	0.87	0.43	0.04	0.22	2.64	1.42*	0.31	0.40	1.28	4.66	1.61	0.00	0.95	0.69*	0.93	0.31	10.59	0.00	1.01	-0.50	-0.09	0.19
1972-73 SE OF P-VAL	0.49	0.28	0.14	0.22	1.86	0.60	0.41	0.21	1.24	4.85	1.05	0.00	0.56	0.34	0.85	0.31	7.13	0.00	0.80	0.00	0.18	0.19
1969-70 SE OF P-VAL	0.08	0.00	0.16	0.00	0.35	0.06	0.17	0.06	0.00	0.97	0.65	0.00	0.14	0.00	0.21	0.00	0.00	0.00	0.50	0.34	0.33	0.00
SE OF CHANGE P-VALUE	0.50	0.28	0.21	0.22	1.89	0.60	0.44	0.22	1.24	4.95	1.23	0.00	0.58	0.34	0.88	0.31	7.13	0.00	0.94	0.34	0.38	0.19
1972-73 DELTA-P		-0.60	-0.84	-0.81	2.20	0.45#	-0.45#	-0.55	0.25	5.08	1.23	-1.03*	0.06	-0.34	0.18	-0.72	9.56	-1.03*	0.50	-1.03*	-0.78	-0.84
1969-70 DELTA-P		-0.16*	-0.01	-0.16*	0.43	-0.10	0.11	-0.08	-0.16*	1.29	0.49	-0.16*	-0.02	-0.16*	0.12	-0.16*	-0.16*	-0.16*	0.36	0.34	0.18	-0.16*
CHANGE DELTA-P		-0.44	-0.83	-0.65	1.77	0.55#	-0.56#	-0.47	0.41	3.79	0.74	-0.87	0.08	-0.18	0.06	-0.56	9.72	-0.87	0.14	-1.37*	-0.96	-0.68
1972-73 SE OF DP		0.53	0.50	0.51	1.39	0.16	0.16	0.30	1.37	4.41	0.69	0.49	0.60	0.21	0.45	0.57	6.68	0.49	0.91	0.49	0.51	0.50
1969-70 SE OF DP		0.08	0.15	0.08	0.27	0.08	0.10	0.07	0.08	0.89	0.62	0.08	0.13	0.08	0.15	0.08	0.08	0.08	0.44	0.30	0.31	0.08
SE OF CHANGE DELTA-P		0.54	0.52	0.52	1.42	0.18	0.19	0.31	1.37	4.50	0.93	0.50	0.61	0.22	0.47	0.58	6.68	0.50	1.01	0.57	0.50	0.51
AGE: 13																						
1972-73 P-VALUE	0.50	0.32	0.00	0.19	1.55	0.45	0.55	0.11	2.89	0.40	0.00	0.57	0.51	0.22	1.40	0.00	8.01	0.00	0.00	0.00	0.00	0.27
1972-73 SE OF P-VAL	0.37	0.25	0.00	0.19	1.53	0.24	0.55	0.08	2.68	0.41	0.00	0.56	0.37	0.22	0.96	0.00	6.06	0.00	0.00	0.00	0.00	0.20
1972-73 DELTA-P		-0.18	-0.50	-0.31	1.05	-0.05	0.05	-0.39	2.39	-0.10	-0.50	0.07	0.01	-0.28	0.90	-0.50	7.51	-0.50	-0.50	-0.50	-0.50	-0.23
1972-73 SE OF DP		0.41	0.37	0.39	1.18	0.20	0.21	0.36	2.32	0.52	0.37	0.22	0.16	0.16	0.61	0.37	5.72	0.37	0.37	0.37	0.37	0.39
RESPONSE: 01 AGE: 9 TEXT: watered both pots more.																						
1972-73 P-VALUE	11.34	10.92	13.10	11.05	10.50	10.71	11.98	10.65	15.54	11.05	12.27	13.89	14.05	10.01	10.53	10.25	17.12	8.50	10.67	13.38	11.59	10.81
1969-70 P-VALUE	12.59	10.44	16.85	11.74	12.34	11.61	13.72	11.44	18.01	17.13	12.54	15.34	12.06	8.42	16.41	16.11	18.15	12.03	10.15	13.82	9.23	12.45
CHANGE P-VALUE	-1.25	0.48	-3.75	-0.69	-1.84	-0.90	-1.74	-0.79	-2.47	-6.08	-0.27	-1.45	1.99	1.59	-5.88#	-5.86	-1.03	-3.53	0.52	-0.44	2.36	-1.64
1972-73 SE OF P-VAL	0.77	1.37	1.90	1.46	1.38	1.00	1.05	0.85	1.91	1.88	3.31	3.46	1.58	1.11	1.29	2.85	3.11	1.50	2.50	2.24	2.34	1.31
1969-70 SE OF P-VAL	0.95	1.16	2.68	1.44	2.46	1.09	1.42	0.90	2.64	3.32	4.45	3.11	1.62	1.08	1.65	5.14	2.78	1.76	2.27	1.81	2.09	1.73
SE OF CHANGE P-VALUE	1.22	1.40	3.29	2.05	2.82	1.48	1.77	1.24	3.26	3.82	5.55	4.65	2.26	1.55	2.09	5.88	4.17	2.31	3.38	2.88	3.14	2.17
1972-73 DELTA-P		-0.42	1.76	-0.29	-0.84	-0.63	0.64	-0.69	4.20*	-0.29	0.93	2.55	2.71	-1.33	-0.81	-1.09	5.78	-2.88	-0.67	2.04	0.2[illegible]	-0.53
1969-70 DELTA-P		-2.15	4.26	-0.85	-0.25	-0.98	1.13	-1.15#	5.42*	4.58	-0.05	2.75	-0.53	-4.17#	3.82#	3.52	5.56*	-0.56	-2.44	1.23	-3.3[illegible]	-0.14
CHANGE DELTA-P		1.73	-2.50	0.56	-0.59	0.35	-0.49	0.46	-1.22	-4.83	0.98	-0.20	3.24	2.84*	-4.63#	-4.61	0.22	-2.28	1.77	0.81	3.6[illegible]	-0.39
1972-73 SE OF DP		1.23	1.59	1.26	1.24	0.69	0.69	0.35	1.73	1.87	3.12	3.31	1.46	0.88	0.99	2.76	3.05	1.46	2.31	2.05	2.1[illegible]	1.16
1969-70 SE OF DP		1.24	2.29	1.28	2.07	0.77	0.88	0.41	2.37	2.99	4.12	3.04	1.30	0.96	1.22	4.82	2.77	1.81	2.20	1.79	[illegible]	1.23
SE OF CHANGE DELTA-P		1.75	2.79	1.80	2.41	1.03	1.12	0.54	2.93	3.53	5.17	4.49	1.95	1.30	1.57	5.55	4.12	2.33	3.19	2.72	[illegible]	1.69
AGE: 13																						
1972-73 P-VALUE	3.33	2.31	4.99	2.68	3.87	3.14	3.53	2.46	8.48	3.70	5.73	2.90	3.53	1.23	7.58	3.29	5.99	0.63	5.33	3.66	2.92	3.08
1972-73 SE OF P-VAL	0.46	0.71	1.08	0.87	0.99	0.64	0.61	0.47	1.48	1.53	1.89	1.17	0.73	0.32	2.06	1.29	1.55	0.45	1.32	1.33	1.14	0.70
1972-73 DELTA-P		-1.02	1.56	-0.65	0.54	-0.19	0.20	-0.89#	5.15#	0.37	2.40	-0.43	0.20	-2.10#	4.25*	-0.04	2.66	-2.70#	2.00	0.33	-0.41	-0.25
1972-73 SE OF DP		0.67	0.95	0.71	0.85	0.42	0.44	0.26	1.32	1.52	1.75	1.25	0.61	0.49	1.78	1.18	1.68	0.61	1.17	1.15	1.05	0.59
RESPONSE: 02 AGE: 9 TEXT: watered the radish seeds more.																						
1972-73 P-VALUE	17.43	15.86	18.74	17.08	18.20	16.77	18.10	17.61	16.81	16.63	14.67	24.68	16.86	17.65	17.10	13.51	11.63	16.61	18.72	15.43	22.70	17.93
1969-70 P-VALUE	15.54	13.91	17.91	15.30	15.57	16.42	14.54	15.51	16.19	14.72	13.07	20.63	16.34	15.64	14.30	16.92	13.95	13.92	12.17	19.25	15.69	15.83
CHANGE P-VALUE	1.89	1.95	0.83	1.78	2.63	0.35	3.56*	2.10	0.62	1.91	1.60	4.05	0.52	2.01	2.80	-3.41	-2.32	2.69	6.55	-3.82	7.01	2.10
1972-73 SE OF P-VAL	0.69	1.06	1.64	1.57	1.18	1.07	1.20	0.69	2.76	2.51	3.22	3.33	1.60	1.49	1.14	0.90	2.44	1.85	3.18	1.66	2.59	1.22
1969-70 SE OF P-VAL	0.76	1.26	1.85	1.55	1.45	1.19	1.29	0.81	2.75	3.07	2.87	3.33	1.91	1.45	1.43	3.09	2.47	2.08	2.25	2.84	2.43	1.09
SE OF CHANGE P-VALUE	1.03	1.65	2.47	2.21	1.87	1.60	1.76	1.06	3.90	3.97	4.31	4.71	2.49	2.08	1.83	3.22	3.47	2.78	3.90	3.29	3.55	1.64
1972-73 DELTA-P		-1.57	1.31	-0.35	0.77	-0.66	0.67	0.18	-0.62	-0.80	-2.76	7.25*	-0.57	0.22	-0.33	-3.92#	-5.80*	-0.82	1.29	-2.00	5.27*	0.50
1969-70 DELTA-P		-1.63	2.37	-0.24	0.03	0.88	-1.02	-0.03	0.65	-0.82	-2.47	5.09	0.80	0.10	-1.24	1.38	-1.59	-1.62	-3.37	3.71	0.15	0.29
CHANGE DELTA-P		0.06	-1.06	-0.11	0.74	-1.54	1.69	0.21	-1.27	0.02	-0.29	2.16	-1.37	0.12	0.91	-5.30	-4.21	0.80	4.66	-5.71	5.12	0.21
1972-73 SE OF DP		1.02	1.39	1.28	1.08	0.90	0.90	0.43	2.48	2.37	2.99	3.32	1.39	1.36	0.94	1.17	2.48	1.80	2.99	1.66	2.34	1.14
1969-70 SE OF DP		1.16	1.62	1.23	1.35	0.92	1.05	0.43	2.57	2.89	2.85	3.30	1.66	1.26	1.20	2.98	2.45	1.99	2.36	2.54	2.26	0.87
SE OF CHANGE DELTA-P		1.54	2.13	1.78	1.73	1.29	1.38	0.61	3.57	3.74	4.13	4.68	2.17	1.85	1.52	3.20	3.43	2.68	3.81	3.03	3.25	1.43

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 204137-12   RB236

To see where seeds grow best, Tom put radishes in dark, beans in light and watered them equally. Beans grew better so Tom said plants grow best in light. To say this he should have

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: 13 TEXT: watered the radish seeds more.																						
1972-73 P-VALUE	6.75	6.56	6.24	6.36	7.91	6.80	6.70	5.76	8.99	13.82	13.79	8.19	6.27	5.14	7.84	8.00	9.85	3.67	7.01	5.35	7.25	7.38
1972-73 SE OF P-VAL	0.51	1.01	0.94	0.96	1.07	0.80	0.75	0.85	[illegible]	3.38	2.83	2.46	0.86	0.79	1.61	2.81	2.50	1.37	1.85	1.59	1.33	1.07
1972-73 DELTA-P		-0.19	-0.51	-0.39	1.16	0.05	-0.05	-0.99*	[illegible]	7.07*	7.04#	1.44	-0.48	-1.61*	1.09	1.25	3.10	-3.08*	0.26	-1.40	0.50	0.63
1972-73 SE OF DP		0.88	0.88	0.78	0.92	0.58	0.60	0.41	1.80	[illegible]	2.67	2.39	0.83	0.67	1.53	2.70	2.50	1.44	1.72	1.54	1.22	0.95
RESPONSE: 03* AGE: 9 TEXT: put the same kind of seeds in both pots.																						
1972-73 P-VALUE	41.52	46.96	35.31	42.33	40.72	41.78	41.26	44.19	[illegible]	29.01	37.01	32.85	43.67	48.20	36.90	33.28	33.47	55.39	37.20	45.87	40.13	40.11
1969-70 P-VALUE	46.15	52.39	35.00	49.59	44.37	48.60	43.31	48.71	[illegible]	34.46	44.80	35.35	45.19	55.45	40.24	31.39	35.93	54.37	49.08	40.32	49.65	47.72
CHANGE P-VALUE	-4.63#	-5.43	0.31	-7.26	-3.65	-6.82#	-2.05	-4.52*	[illegible]	-5.45	-7.79	-2.50	-1.52	-7.25#	-3.34	1.89	-2.46	1.02	-11.88	5.55	-9.52	-7.61#
1972-73 SE OF P-VAL	1.36	3.12	2.57	2.69	2.31	1.78	1.92	1.50	[illegible]	3.37	5.35	4.54	2.60	1.90	[illegible]	5.03	3.46	3.27	4.39	3.81	3.64	2.41
1969-70 SE OF P-VAL	1.19	1.44	1.85	2.64	2.23	1.64	1.95	1.36	[illegible]	4.22	5.37	3.84	2.93	2.15	[illegible]	3.26	3.19	2.55	4.20	3.22	3.78	1.74
SE OF CHANGE P-VALUE	1.81	3.44	[illegible]	3.77	3.21	2.41	2.74	2.02	[illegible]	5.60	7.65	5.95	3.92	2.87	2.90	5.99	4.71	4.15	6.08	4.99	5.25	2.97
1972-73 DELTA-P		5.44*	-6.21#	0.81	-0.80	0.26	-0.26	2.67#	[illegible]	-12.51#	-4.51	-8.67*	2.15	6.68#	-4.62#	-8.24	-8.05*	13.87#	-4.32	4.35	-1.39	-1.41
1969-70 DELTA-P		6.24#	-11.15#	3.44	-1.78	2.45	-2.84	2.56#	-11.11#	-11.69#	-1.35	-10.80#	-0.96	9.30#	-5.91#	-14.76#	-10.22#	8.22#	2.93	-5.83	3.50	1.57
CHANGE DELTA-P		-0.80	4.94	-2.63	0.98	-2.19	2.50	[illegible]	2.75	-0.82	-3.16	2.13	3.11	-2.62	1.29	6.52	2.17	5.65	-7.25	10.18*	-4.89	-2.98
1972-73 SE OF DP		2.57	2.33	2.29	2.12	1.23	1.25	[illegible]	[illegible]	3.07	[illegible]	4.29	2.09	1.75	1.39	4.96	3.66	3.36	3.92	3.56	3.43	2.06
1969-70 SE OF DP		1.53	1.83	1.95	2.02	1.26	1.44	0.62	3.22	4.04	5.31	3.73	2.60	1.77	1.91	3.50	3.24	2.47	3.84	3.10	3.57	1.54
SE OF CHANGE DELTA-P		2.99	2.96	3.01	2.93	1.76	1.91	0.82	4.05	5.07	[illegible]	5.68	3.34	2.49	2.36	6.07	4.89	[illegible]	5.49	4.72	4.95	2.57
AGE: 13																						
1972-73 P-VALUE	79.56	81.67	72.93	84.49	76.76	[illegible]	78.03	83.50	63.64	64.94	65.45	77.59	80.75	86.23	67.41	76.18	67.13	92.10	74.88	82.95	79.24	78.42
1972-73 SE OF P-VAL	1.17	2.19	1.87	2.13	2.85	[illegible]	1.63	1.13	[illegible]	5.45	4.56	3.63	1.66	[illegible]	2.84	5.55	5.67	2.15	3.25	2.31	2.61	1.99
1972-73 DELTA-P		2.11	-6.63#	4.93#	-2.80	[illegible]	-1.53	3.94#	-15.92#	-14.62#	-14.11#	-1.97	1.19	6.67#	-12.15#	-3.38	-12.43*	12.54#	-4.68	3.39	-0.32	-1.14
1972-73 SE OF DP		1.92	1.83	1.79	2.37	0.91	0.94	0.87	3.56	5.15	[illegible]	3.47	1.41	1.28	2.46	5.18	5.65	2.18	2.97	2.19	2.52	1.85
RESPONSE: 04 AGE: 9 TEXT: grown the seeds in water instead of soil.																						
1972-73 P-VALUE	12.26	11.20	15.34	9.47	13.51	14.35	10.14	10.15	22.76	15.48	17.64	12.07	12.17	10.39	13.06	21.17	15.03	6.03	13.89	9.66	10.88	13.04
1969-70 P-VALUE	10.61	7.53	14.07	9.84	12.09	10.56	10.67	8.33	21.04	20.02	9.75	17.60	10.46	8.07	11.92	20.09	22.50	8.56	11.57	5.37	11.30	9.17
CHANGE P-VALUE	1.65	3.67	1.27	-0.37	1.42	3.79#	-0.53	1.82	1.72	-4.54	7.89	-5.53	1.71	2.32	1.14	[illegible]	-7.47	-2.53	2.32	4.29	-0.42	3.87#
1972-73 SE OF P-VAL	0.81	2.00	1.37	1.38	1.59	[illegible]	1.08	0.92	2.67	2.80	3.36	3.20	1.32	1.41	1.38	2.57	3.32	2.24	2.54	2.19	1.59	1.08
1969-70 SE OF P-VAL	0.75	1.17	1.59	1.22	1.96	0.96	1.04	0.71	2.62	4.52	2.25	3.59	1.67	1.01	1.42	5.45	4.19	1.01	2.19	1.66	1.42	0.90
SE OF CHANGE P-VALUE	1.10	2.32	2.10	1.84	2.52	[illegible]	1.50	1.16	3.74	5.32	4.04	4.81	2.13	1.73	1.98	6.03	5.35	2.48	3.35	2.75	2.13	1.41
1972-73 DELTA-P		-1.06	3.08*	-2.79*	1.25	2.09#	-2.12#	-2.11#	10.50#	3.22	5.38	-0.19	-0.09	-1.87	0.80	8.91#	2.77	-6.23#	1.63	-2.60	-1.38	0.78
1969-70 DELTA-P		-3.08#	3.46*	-0.77	1.48	-0.05	0.06	-2.28#	10.43#	9.41*	-0.86	6.99	-0.15	-2.54#	1.31	9.48	11.89#	-2.05	0.96	-5.24#	0.69	-1.44
CHANGE DELTA-P		2.02	-0.38	-2.02	-0.23	2.14*	-2.18*	0.17	0.07	-6.19	6.24	-7.18	0.06	0.67	-0.51	-0.57	-9.12	-4.18	0.67	2.64	-2.07	2.22
1972-73 SE OF DP		1.61	1.32	1.24	1.38	0.74	0.73	0.49	2.56	2.66	3.35	3.08	1.26	1.23	0.90	2.53	3.21	1.98	2.36	1.97	1.59	1.03
1969-70 SE OF DP		1.06	1.44	1.06	1.64	0.62	0.71	0.48	2.50	4.21	2.20	3.57	1.44	0.89	1.08	5.15	4.05	1.71	2.07	1.63	1.52	0.79
SE OF CHANGE DELTA-P		1.93	1.95	1.63	2.14	0.97	1.02	0.69	3.58	4.90	4.01	4.72	1.91	1.52	1.41	5.74	5.17	2.62	3.14	2.56	2.20	1.30
AGE: 13																						
1972-73 P-VALUE	4.68	2.90	7.98	3.08	5.72	3.61	5.79	3.30	9.78	10.73	8.38	6.44	4.07	3.58	6.07	9.92	6.06	1.80	3.61	3.44	4.50	5.11
1972-73 SE OF P-VAL	0.52	0.77	0.89	0.73	1.56	0.49	0.79	0.46	1.57	3.72	2.03	1.44	0.90	0.72	1.40	2.68	2.09	1.11	1.11	0.98	1.05	0.76
1972-73 DELTA-P		-1.78*	3.30#	-1.60*	1.04	-1.07#	1.11#	-1.38#	5.10#	6.05	3.70*	1.76	-0.61	-1.10	1.39	5.24*	1.38	-2.88#	-1.07	-1.24	-0.18	0.43
1972-73 SE OF DP		0.74	0.85	0.68	1.25	0.39	0.40	0.38	1.54	3.43	1.77	1.41	0.78	0.60	1.30	2.41	2.10	1.10	1.02	0.88	1.05	0.68

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 204137-12   RB236

To see where seeds grow best, Tom put radishes in dark, beans in light and watered them equally. Beans grew better so Tom said plants grow best in light. To say this he should have

RESPONSE: 09   AGE: 9   TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	16.42	14.63	17.32	19.85	13.83	14.91	17.95	16.91	10.45	21.71	16.15	16.51	12.16	13.06	21.21	21.48	12.17	13.46	18.00	15.65	14.44	17.92
1969-70 P-VALUE	14.96	15.75	16.03	13.53	15.05	12.75	17.52	15.94	9.73	12.24	19.20	11.10	15.83	12.42	16.86	15.51	9.49	11.12	16.52	20.76	13.80	14.84
CHANGE P-VALUE	1.46	-1.12	1.29	6.32#	-1.22	2.16	0.43	0.97	0.72	9.47#	-3.05	5.41	-3.67	0.64	4.35*	5.97	2.68	2.34	1.48	-5.11	0.64	3.08
1972-73 SE OF P-VAL	0.83	1.42	2.34	1.27	1.55	1.02	1.27	0.89	2.04	2.72	3.71	3.24	1.51	1.20	1.50	3.41	2.46	1.82	2.58	2.27	2.23	1.41
1969-70 SE OF P-VAL	0.88	1.27	2.17	1.87	1.59	1.00	1.64	1.03	1.75	2.18	4.68	3.30	2.16	1.36	1.31	3.50	1.42	1.89	3.29	2.83	2.00	1.50
SE OF CHANGE P-VALUE	1.21	1.91	3.19	2.26	2.22	1.43	2.07	1.36	2.69	3.49	5.97	4.62	2.64	1.81	1.99	4.89	2.84	2.62	4.18	3.63	3.00	2.06
1972-73 DELTA-P		-1.79	0.90	3.43#	-2.59	-1.51	1.53	0.49	-5.97#	5.29*	-0.27	0.09	-4.2[illegible]	-3.36#	4.79#	5.06	-4.25	-2.96	1.58	-0.77	-1.98	1.50
1969-70 DELTA-P		0.79	1.07	-1.43	0.09	-2.21*	2.56*	0.98#	-5.23#	-2.72	4.24	-3.86	0.87	-2.54*	1.90	0.55	-5.47#	-3.84*	1.56	5.80*	-1.16	-0.12
CHANGE DELTA-P		-2.58	-0.17	4.86#	-2.68	0.70	-1.03	-0.49	-0.74	8.01*	-4.51	3.95	-5.13*	-0.82	2.89	4.51	1.22	0.88	0.02	-6.57	-0.82	1.62
1972-73 SE OF DP		1.29	1.93	1.21	1.36	0.80	0.79	0.41	1.88	2.50	3.53	3.16	1.18	1.24	1.15	3.16	2.47	1.84	2.42	2.10	2.12	1.13
1969-70 SE OF DP		1.24	1.08	1.46	1.49	0.94	1.07	0.36	1.84	2.25	4.58	3.30	1.86	1.05	1.03	3.36	1.62	1.83	3.09	2.57	2.04	1.20
SE OF CHANGE DELTA-P		1.79	2.69	1.90	2.02	1.23	1.33	0.55	2.63	3.36	5.78	4.57	2.20	1.62	1.54	4.61	2.95	2.60	3.92	3.32	2.94	1.65
AGE: 13																						
1972-73 P-VALUE	5.18	6.23	7.96	3.20	4.19	4.97	5.40	4.90	6.21	6.41	6.65	4.31	4.87	3.60	9.70	2.61	2.96	1.81	9.17	4.60	6.08	5.75
1972-73 SE OF P-VAL	0.64	1.39	1.77	1.05	0.91	0.66	0.91	0.75	1.42	2.25	2.29	1.41	0.97	0.82	2.03	1.28	1.62	0.85	1.98	1.42	2.23	1.08
1972-73 DELTA-P		1.05	2.78	-1.98*	-0.99	-0.21	0.22	-0.28	1.03	1.23	1.47	-0.87	-0.31	-1.58#	4.52#	-2.57*	-2.22	-3.37#	3.99*	-0.58	0.90	0.57
1972-73 SE OF DP		1.18	1.48	0.93	0.92	0.46	0.48	0.30	1.47	2.10	2.15	1.61	0.81	0.61	1.66	1.28	1.62	0.92	1.70	1.37	2.03	0.98

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

The picture on the opposite page shows a place in a city, where a row of tall buildings separates two open areas which will be made into parks.

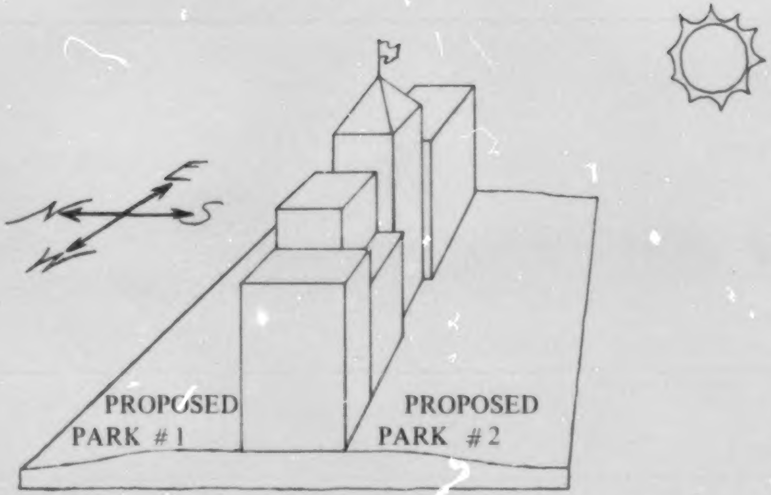
Imagine that you have been appointed to prepare a plan for landscaping the two proposed parks. Before you prepared the plan for your plantings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider? Ignore "people factors" like traffic and list three clearly physical conditions.

(1) ____________________

(2) ____________________

(3) ____________________

(Continued)



NAEP #: 205014-234

72-73 Report #: RP257

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: E. Understand and apply the scientific enterprise.

Science Type: Physical science

Exercise Type: Multiple part short answer using drawing
Scoring Type: Professional
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	09-12	04-13	01-21
72-73 National P-val:			
RP257-1	33.45	63.17	62.[illegible]0
RP257-2	25.95	50.35	49.[illegible]0
RP257-3	17.04	33.91	3[illegible].48
Timing: (in seconds)			
Stimulus:	32	30	31
Response:	89	89	*
RP257 Exercise total:	121	119	*

*Time not limited by paced tape.

Exercise 205014-2,3,4; RP 257

Suppose you are to plan for landscaping the two proposed parks pictured on the opposite page. What physical factors or conditions of the environment would you want to consider? Ignore "people factors" like traffic and list three clearly physical conditions.

000 = No response

Acceptable

100 = Soil
How good the soil was.
Good soil.
If the ground is suitable for plants.
What kind of soil is there.
The nutrient value of the soil.
Soft ground.

101 = Daily light capacity
The way the sun was facing.
Plenty of sunlight.
The positions and times the sun strikes the spots.
I would like to know if you could get enough sun on both sides.
Amount of sunlight on a given spot each day.
Plenty of sunlight.
That you have sun on one side. Shade on the other.

102 = Size of park
How much area I had to work with.
How large is the park.
Land space.
How much land I would need.
To see how wide it is.

103 = Rainfall and water supply
Rain amount that falls on each area.
Amount of rainfall.
Amount of available water.
Where to get water.

104 = Wind
Which way does the wind usually blow?
Wind direction. Use of building for wind block.
Wind factor.
Wind direction and velocity.
Sheltered from the winds.

105 = Climate
What kind of weather there is.
How hot it would be every day.
Climate.

What type of weather environment would be in the park.
Take into account the general weather of the area.
Heat near the buildings may harm plants.
Where it was.
The location.
Characteristics of plantings and maintenance.

106 = Terrain, watertable, etc.
How level the ground is.
If it rains the water won't wash away the soil.
The down grade on both sides.
Drainage.
The contour of the land.
How high it is.
See how low it is.

107 = Manmade features already present
Check for sewage or drainage outlets first from building.
The buildings must have some pipes and that would cause trouble.

108 = Pollution (as it would affect choice of types of plantings)
Any kind of waste from the buildings that would hurt the plants.
The pollution involved in the city.
How much pollution is in the area.
Clean air.

109 = Natural features already present
If there are trees or a small lake or hills.
Is there some kind of stream or lake in the two parks.

110 = Other acceptable

Unacceptable

200 = Procedure to follow; or items to put in the parks
I'd have trees planted and flowers and bushes.
Grass and lots of trees.
Swimming and recreation room.
I would make it a good parking lot.
I would want to separate or take down two buildings.
Put a little pond in it (2 feet deep).
Junk cleaned out, old tree stumps pulled out.
And then I would dig a swimming pool for the people that are going to live in the hotel rooms.
First I would measure off the land to the east and west.
There are or need to be some streets.
See the owner.
Make the building into a castle or something for the kids.
I would like to try and make the plan exactly what I'm sure they'll want.
What I want to go in the park.

201 = Location of sidewalks, streets buildings and recreational facilities in and around park
How the travel to and from the buildings would affect my parks.
Traffic.

To allow people to get to buildings.
Traffic situation.
Traffic pattern. (Also, for safety, hedges might be planted adjacent to street. One also might not plant large shrubs near a sidewalk as muggers, etc. could hide behind or in them and have easier access to their victims.)
If the buildings will be in the way.
What was in the buildings.
The type of people who will be in the buildings (older people, business, etc.)
How would it affect the people in the tall buildings.
What are the buildings used for?
Type of building - dwellings, office, etc.
Traffic
To allow people to get to the buildings.
Surroundings.
Is it a place where children would like to have a park?
Is it near a rest home?
Is it in a nice location?
Driveway. The most convenient way to the end of the garage.
Balance of the overall picture.
Take into account the compass direction.
See if the air is clean on that side.

202 = Other Unacceptable
If the buildings will have to be moved.
Reading in the park.
How much stuff.
It (park #2) has more room if you like a large one.
Don't litter.
If there was enough money.
That it is cement.
Beauty on the two sides.
Won't be near an airport.
Discuss with other people.
Is it beneficial?
The area itself.
Should the parks be close together.
Coolness and relaxation it can give - not any crowded, bustling streets close by.
Land.
How well the environment is.
Whether it was a good place to put water in.
The looks of the parks as sighted before being built.
To know if it was safe.
And big enough.
Nothing poisonous around.

399 = I don't know.

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                          NATION |          REGION              |     SEX       |       RACE            |        PARENTAL EDUCATION           |            SIZE-AND-TYPE OF COMMUNITY
                                 | NORTH  SOUTH                 |               |                OTHER  |         SOME    GRAD    POST        |EXTREME  LOW     HIGH    MAIN  URBAN  MEDIUM SMALL
                         ________|_EAST___EAST_CENTRAL__WEST__|__MALE__FEMALE_|_WHITE__BLACK___RACE__|_NO HS____HS______HS______HS_UNKNOWN_|_RURAL__METRO__METRO BIG CTY FRINGE__CITY__PLACES

EXERCISE: 205014-234   RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

First physical factor given.

RESPONSE:  00    AGE: 13        TEXT:  No Response.

    1972-73 P-VALUE            8.77     7.17  11.04   5.83  11.13    10.94   6.41     6.61  16.97  21.21     17.24   9.73  10.22   4.50  13.07      9.60  24.05   5.60  10.12   7.42  11.02   6.24
    1972-73 SE OF P-VAL        1.02     1.45   1.86   1.45   2.88     1.20   1.24     0.99   2.28   4.57      3.71   2.51   1.29   0.82   2.26      2.80   7.85   1.57   2.51   2.06   2.77   0.97
    1972-73 DELTA-P                    -1.60   2.27  -2.94*  2.36     2.17# -2.36#   -2.16#  8.20# 12.44#     8.47#  0.96   1.45  -4.27#  4.30#     0.83  15.28* -3.17   1.35  -1.35   2.25  -2.51#
    1972-73 SE OF DP                    1.45   1.70   1.41   2.24     0.66   0.70     0.41   2.29   4.02      3.10   2.40   1.01   0.72   1.62      2.44   7.40   1.70   2.51   1.85   2.66   1.00

                  AGE: 17

    1972-73 P-VALUE            4.08     4.79   5.92   3.02   3.09     4.47   3.68     2.91   8.85  12.84      8.56   5.61   3.92   2.05  14.15      2.55  11.03   4.33   3.22   4.31   1.88   3.84
    1972-73 SE OF P-VAL        0.58     1.29   1.52   0.89   0.81     0.78   0.78     0.52   1.50   3.75      2.55   1.47   0.84   0.51   4.04      1.13   2.11   1.77   1.44   1.64   0.93   0.91
    1972-73 DELTA-P                     0.71   1.84  -1.06  -0.99     0.39  -0.40    -1.17#  4.77#  8.76#     4.48   1.53  -0.16  -2.03# 10.07#    -1.53   6.95#  0.25  -0.86   0.23  -2.20* -0.24
    1972-73 SE OF DP                    1.04   1.31   0.80   0.82     0.53   0.53     0.32   1.37   3.50      2.31   1.45   0.67   0.46   3.78      1.22   2.01   1.51   1.37   1.37   0.99   0.83

                  AGE: Ad

    1972-73 P-VALUE            1.44     0.97   1.31   0.78   2.73     1.45   1.43     1.20   1.61   4.77      2.01   1.84   0.95   0.96   2.98      1.50   0.83   1.38   2.31   1.02 [illegible] 1.81
    1972-73 SE OF P-VAL        0.35     0.56   0.70   0.51   0.93     0.48   0.43     0.31   0.92   2.24      0.83   0.93   0.46   0.74   2.11      1.06   0.61   1.39   1.54   0.79   0.30   0.55
    1972-73 DELTA-P                    -0.47  -0.13  -0.66   1.29     0.01  -0.01    -0.24   0.17   3.33      0.57   0.44  -0.49  -0.48   1.54      0.06  -0.61  -0.06   0.87  -0.42  -0.97*  0.37
    1972-73 SE OF DP                    0.53   0.63   0.48   0.74     0.30   0.28     0.15   0.87   2.09      0.68   0.85   0.50   0.62   2.06      0.99   0.66   1.25   1.44   0.76   0.43   0.82

RESPONSE:  01*   AGE: 13        TEXT:  All Acceptable Responses.

    1972-73 P-VALUE           33.45    38.77  26.60  37.24  30.96    34.03  32.82    38.09   9.09  17.85     13.42  26.11  32.50  45.31  15.95     27.31  12.75  47.13  28.52  36.67  36.05  33.14
    1972-73 SE OF P-VAL        1.37     2.76   2.95   2.01   3.00     1.76   1.82     1.56 [illegible] 4.18   3.32   2.98   2.32   1.84   2.17      4.50   3.71   2.96   4.23   3.37   3.07   2.52
    1972-73 DELTA-P                     5.32* -6.85#  3.79  -2.49     0.58  -0.63     4.64#-24.36#-15.60#   -20.03# -7.34* -0.95  11.86#-17.50#    -6.14 -20.70# 13.68# -4.93   3.22   2.60  -0.31
    1972-73 SE OF DP                    2.37   2.58   1.95   2.48     1.10   1.20     0.70   1.73   4.06      3.36   3.12   1.59 [illegible] 1.99     3.15   3.98   3.14   4.01   3.34   2.93   1.78

                  AGE: 17

    1972-73 P-VALUE           63.17    68.35  52.25  63.83  65.21    62.79  63.57    68.20  37.35  38.55     35.61  46.37  61.86  73.59  42.28     58.50  40.83  72.30  61.83  62.76  68.66  64.57
    1972-73 SE OF P-VAL        1.40     2.97   3.40   2.51   2.14     1.88   1.96     1.44   2.45   4.24      3.52   3.59   2.17   1.54   4.48      5.43   3.49   3.72   3.19   4.10   3.90   2.69
    1972-73 DELTA-P                     5.18*-10.92#  0.66   2.04    -0.38   0.40     5.03#-25.82#-24.62#   -27.56#-16.80# -1.31  10.42#-20.89#    -4.67 -22.34#  9.21# -1.34  -0.41   5.49   1.40
    1972-73 SE OF DP                    2.48   2.97   2.10   2.10     1.31   1.33     0.83   2.43   3.94      3.20   3.18   1.59   1.46   4.28      5.42   3.41   3.54   3.12   3.60   3.69   2.43

                  AGE: Ad

    1972-73 P-VALUE           62.60    67.41  58.32  59.17  65.53    64.76  60.59    68.78  26.93  35.43     45.17  57.94  69.72  79.97  24.71     56.78  40.28  80.26  58.60  66.41  56.87  64.91
    1972-73 SE OF P-VAL        1.83     3.98   3.97   3.29   3.62     2.25   2.24     1.70   3.43   5.70      3.08   3.37   2.41   2.31   4.73      4.48   3.78   3.19   4.87   4.83   4.98   2.69
    1972-73 DELTA-P                     4.81  -4.28  -3.42   2.93     2.16  -2.01     6.18#-35.67#-27.17#   -17.43# -4.66   7.12# 17.37#-37.89#    -5.82 -22.32# 17.66# -4.00   3.81  -5.73   2.31
    1972-73 SE OF DP                    3.35   3.55   2.81 [illegible] 1.35  1.25     0.77   3.37   5.41      2.33   2.85   1.82   2.30   4.72      4.43   3.75   3.24   4.59   4.19   4.63   1.84

RESPONSE: 100    AGE: 13        TEXT:  Soil.

                                Response did not occur at this age.

                  AGE: 17

                                Response did not occur at this age.

                  AGE: Ad

                                Response did not occur at this age.

RESPONSE: 101    AGE: 13        TEXT:  Amount of sunlight.

    1972-73 P-VALUE            7.62    10.66   5.83   7.10   6.95     6.33   9.02     8.33   3.16   6.48      1.71   6.77   9.16   9.13   3.45      5.75   2.18  10.24   4.96   8.59   8.34   8.37
    1972-73 SE OF P-VAL        0.64     1.18   1.19   1.20   1.25     0.79   0.96     0.76   0.93   2.64      0.93   2.08   1.27   1.02   1.08      1.03   0.93   1.63   1.18   1.51   2.02   1.32
    1972-73 DELTA-P                     3.04# -1.79  -0.52  -0.67    -1.29*  1.40*    0.71# -4.46# -1.14     -5.91# -0.85   1.54   1.51* -4.17#    -1.87  -5.44#  2.62  -2.66*  0.97   0.72   0.75
    1972-73 SE OF DP                    1.01   1.05   1.05   1.07     0.58   0.63     0.28   1.08   2.55      1.07   2.21   0.95   0.67   1.12      1.19   1.03   1.56   1.26   1.43   1.81   0.93


*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

First physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 101 AGE: 17 TEXT: Amount of sunlight.																						
1972-73 P-VALUE	9.37	10.99	7.61	8.87	9.56	7.55	11.24	9.86	6.85	6.92	5.90	10.43	11.09	8.88	5.96	7.90	9.61	8.41	8.87	7.85	8.51	11.49
1972-73 SE OF P-VAL	0.77	1.86	0.99	1.31	1.55	1.14	0.98	0.88	1.17	1.73	1.91	1.95	1.33	1.16	2.58	2.17	1.76	1.15	1.83	1.54	1.77	1.82
1972-73 DELTA-P		1.62	-1.76	-0.50	0.19	-1.82*	1.87●	0.49*	-2.52*	-2.45	-3.47	1.06	1.72	-0.49	-3.41	-1.47	0.24	-0.96	-0.50	-1.52	-0.86	2.12
1972-73 SE OF DP		1.46	1.08	1.13	1.37	0.73	0.72	0.21	1.25	1.74	2.05	1.85	1.11	0.71	2.56	2.11	1.72	1.28	1.76	1.46	1.68	1.36
AGE: Ad																						
1972-73 P-VALUE	6.26	6.03	7.85	5.21	6.34	5.01	7.43	6.54	3.99	6.29	7.08	3.81	8.43	5.24	0.00	8.68	2.44	6.58	6.46	4.95	4.07	7.49
1972-73 SE OF P-VAL	0.66	1.29	1.45	1.17	1.39	0.89	0.84	0.71	1.53	3.44	1.43	0.97	1.16	1.14	0.00	2.20	1.09	2.26	2.10	1.37	1.26	1.18
1972-73 DELTA-P		-0.23	1.59	-1.05	0.08	-1.25*	1.17*	0.28	-2.27	0.03	0.82	-2.45*	2.17*	-1.02	-6.26●	2.42	-3.82●	0.32	0.20	-1.31	-2.19	1.23
1972-73 SE OF DP		1.14	1.27	1.01	1.17	0.58	0.55	0.31	1.42	3.30	1.21	0.99	0.87	0.94	0.66	2.04	1.19	2.04	1.93	1.42	1.42	0.86
RESPONSE: 102 AGE: 13 TEXT: Size of park.																						
1972-73 P-VALUE	7.81	10.18	4.73	9.03	7.20	8.95	6.57	9.04	1.10	4.06	2.33	3.93	7.20	11.63	3.13	4.97	1.72	13.56	9.07	8.10	6.82	7.60
1972-73 SE OF P-VAL	0.62	1.55	1.00	1.22	1.23	0.93	0.72	0.73	0.73	1.17	1.36	2.12	1.02	1.09	1.11	1.53	0.91	2.38	2.52	1.41	2.15	1.15
1972-73 DELTA-P		2.37	-3.08●	1.22	-0.61	1.14*	-1.24*	1.23●	-6.71●	-3.75●	-5.48●	-3.88	-0.61	3.82●	-4.68●	-2.84	-6.09●	5.75●	1.26	0.29	-0.99	-0.21
1972-73 SE OF DP		1.29	0.98	1.05	1.05	0.55	0.59	0.23	0.75	1.23	1.27	2.10	0.82	0.75	1.21	1.50	1.03	2.20	2.30	1.42	2.10	0.97
AGE: 17																						
1972-73 P-VALUE	29.90	35.06	22.39	29.82	30.10	32.10	27.64	33.60	10.95	11.70	12.67	19.75	27.38	37.48	16.83	28.24	16.34	34.47	24.86	31.87	37.43	28.73
1972-73 SE OF P-VAL	1.21	2.56	2.65	1.92	2.81	1.81	1.74	1.40	1.95	2.44	2.95	2.42	1.94	2.04	3.64	3.13	2.24	4.23	3.83	2.99	3.29	2.66
1972-73 DELTA-P		5.16*	-7.51●	-0.08	0.20	2.20	-2.26	3.70●	-18.95●	-18.20●	[illegible]	-10.15●	-2.52	7.58●	-13.07●	-1.66	-13.56●	4.57	-5.04	1.97	7.53●	-1.17
1972-73 SE OF DP		2.16	2.41	1.71	2.39	1.26	1.31	0.60	2.09	2.43	[illegible]	2.35	1.83	1.49	3.39	3.18	2.45	4.35	3.69	2.81	2.95	2.10
AGE: Ad																						
1972-73 P-VALUE	39.76	43.44	34.97	39.87	40.19	40.91	38.69	44.23	12.86	22.28	27.24	38.44	43.85	52.16	12.49	34.60	22.95	51.82	38.80	41.01	36.40	[illegible]
1972-73 SE OF P-VAL	1.29	2.63	2.69	2.84	2.13	2.05	1.73	1.29	2.82	5.26	2.27	3.02	1.79	2.54	3.48	2.68	3.02	3.72	3.32	3.70	2.18	[illegible]
1972-73 DELTA-P		3.68	-4.79	0.11	0.43	1.15	-1.07	4.47●	-26.90●	-17.48●	-12.52●	-1.32	4.09●	12.40●	-27.27●	-5.16*	-16.81●	12.06●	-0.96	[illegible]	-3.36	[illegible]
1972-73 SE OF DP		2.32	2.43	2.25	1.96	1.43	1.33	0.58	2.77	5.18	1.90	2.71	[illegible]	2.29	3.56	2.58	2.95	3.56	3.11	3.23	2.24	1.46
RESPONSE: 103 AGE: 13 TEXT: Rainfall and water supply.																						
1972-73 P-VALUE	2.53	3.15	2.69	2.67	1.67	1.81	3.31	2.74	2.29	0.45	1.28	1.32	3.35	2.65	1.69	1.31	2.57	2.50	2.13	2.09	3.55	2.85
1972-73 SE OF P-VAL	0.37	0.83	0.92	0.65	0.59	0.41	0.67	0.42	0.76	0.44	0.77	0.68	0.74	0.58	0.68	[illegible]	1.05	1.23	0.89	0.72	1.11	0.69
1972-73 DELTA-P		0.62	0.16	0.14	-0.86	-0.72	0.78	0.21	-0.24	-2.08●	-1.25	-1.21	0.82	0.12	-0.84	[illegible]	0.04	-0.03	-0.40	-0.44	1.02	0.32
1972-73 SE OF DP		0.70	0.76	0.59	0.55	0.39	0.42	0.11	0.68	0.55	0.75	0.72	0.57	0.47	0.58	0.70	1.08	1.14	0.89	0.69	1.05	0.51
AGE: 17																						
1972-73 P-VALUE	3.94	3.79	5.11	4.17	2.83	3.03	4.87	3.37	8.03	3.91	9.35	4.17	3.25	3.33	6.56	2.35	6.12	2.35	5.04	3.41	3.92	4.39
1972-73 SE OF P-VAL	0.53	0.97	1.11	1.20	0.78	0.64	0.74	0.47	1.97	1.53	2.88	1.22	0.75	0.71	2.05	1.15	1.54	1.16	2.44	1.07	1.46	0.75
1972-73 DELTA-P		-0.15	1.19	0.23	-1.11	-0.91*	0.93*	-0.57*	4.09*	-0.03	5.41	0.23	-0.69	-0.61	2.62	-1.59	2.18	-1.59	1.10	-0.53	-0.02	0.45
1972-73 SE OF DP		0.84	1.02	0.92	0.78	0.45	0.45	0.23	1.68	1.57	2.77	1.18	0.64	0.44	1.92	1.12	1.37	1.10	2.18	1.02	1.36	0.71
AGE: Ad																						
1972-73 P-VALUE	2.31	2.43	2.61	2.20	2.08	1.80	2.78	2.08	4.03	2.53	2.04	1.98	2.88	1.88	4.03	1.21	3.39	2.04	1.36	0.44	4.70	2.45
1972-73 SE OF P-VAL	0.36	0.82	0.81	0.65	0.61	0.45	0.49	0.37	1.57	1.31	0.67	0.70	0.80	0.81	2.08	0.78	1.59	1.06	0.94	0.44	1.63	0.53
1972-73 DELTA-P		0.12	0.30	-0.11	-0.23	-0.51	0.47	-0.23	1.72	0.22	-0.27	-0.33	0.57	-0.43	1.72	-1.10	1.08	-0.27	-0.95	-1.87●	2.39*	0.14
1972-73 SE OF DP		0.69	0.71	0.55	0.55	0.32	0.30	0.19	1.46	1.26	0.61	0.67	0.66	0.73	2.01	0.79	1.50	0.95	0.98	0.53	1.48	0.46
RESPONSE: 104 AGE: 13 TEXT: Wind.																						
1972-73 P-VALUE	1.99	1.72	2.56	1.18	2.53	3.07	0.82	2.37	0.00	0.74	0.93	2.80	0.52	3.67	0.53	4.67	0.00	2.81	0.25	1.41	1.99	1.97
1972-73 SE OF P-VAL	0.33	0.78	0.64	0.46	0.76	0.58	0.37	0.40	0.00	0.75	0.94	1.32	0.29	0.73	0.40	1.40	0.00	1.62	0.26	0.65	0.97	0.58
1972-73 DELTA-P		-0.27	0.57	-0.81	0.54	1.08●	-1.17●	0.38●	-1.99●	-1.25	-1.06	0.81	-1.47●	1.68●	-1.46●	2.68*	-1.99●	0.82	-1.74●	-0.58	0.00	-0.02
1972-73 SE OF DP		0.65	0.57	0.47	0.63	0.35	0.38	0.09	0.33	0.74	0.93	1.19	0.46	0.48	0.44	1.32	0.33	1.46	0.42	0.68	0.89	0.53
AGE: 17																						
1972-73 P-VALUE	2.03	2.06	1.51	2.05	2.41	2.03	2.03	2.22	0.79	1.69	0.57	2.34	2.97	1.78	0.00	1.13	0.00	2.75	1.99	1.84	2.92	2.19
1972-73 SE OF P-VAL	0.30	0.56	0.48	0.53	0.77	0.51	0.37	0.36	0.19	1.40	0.39	1.17	0.69	0.47	0.00	0.60	0.00	1.16	1.10	0.70	1.08	0.61
1972-73 DELTA-P		0.03	-0.52	0.02	0.38	0.00	0.00	0.19	-1.24●	-0.34	-1.46●	0.31	0.94	-0.25	-2.03●	-0.90	-2.03●	0.72	-0.04	-0.19	0.89	0.16
1972-73 SE OF DP		0.48	0.48	0.45	0.64	0.33	0.33	0.11	0.34	1.42	0.50	1.14	0.55	0.38	0.30	0.70	0.30	1.08	1.06	0.69	0.94	0.54

* The absolute value of this number is greater than 2.0 times its standard error.
● The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

First physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 104 AGE: Ad	TEXT: Wind.																					
1972-73 P-VALUE	2.07	1.47	1.82	2.44	2.42	2.24	1.92	2.37	0.72	0.00	1.49	3.59	0.95	3.14	1.24	1.94	0.33	2.59	1.66	4.99	1.42	1.75
1972-73 SE OF P-VAL	0.35	0.59	0.75	0.73	0.70	0.56	0.43	0.39	0.57	0.00	0.72	1.09	0.37	0.86	1.24	0.91	0.33	1.17	1.08	1.42	0.81	0.53
1972-73 DELTA-P		-0.60	-0.25	0.37	0.35	0.17	-0.15	0.30#	-1.35*	-2.07#	-0.58	1.52	-1.12#	1.07	-0.83	-0.13	-1.74#	0.52	-0.41	2.92*	-0.65	-0.32
1972-73 SE OF DP		0.55	0.67	0.59	0.60	0.37	0.34	0.08	0.57	0.35	0.62	0.96	0.41	0.72	1.24	0.92	0.46	1.11	1.03	1.28	0.72	0.42
RESPONSE: 105 AGE: 13	TEXT: Climate; weather.																					
1972-73 P-VALUE	0.93	0.76	0.50	1.37	1.03	0.90	0.96	1.14	0.00	0.00	0.00	0.00	0.60	1.66	0.00	0.76	0.00	1.81	0.60	1.65	0.00	0.98
1972-73 SE OF P-VAL	0.30	0.44	0.34	0.84	0.55	0.35	0.33	0.36	0.00	0.00	0.00	0.00	0.41	0.55	0.00	0.52	0.00	0.95	0.61	1.20	0.00	0.41
1972-73 DELTA-P		-0.17	-0.43	0.44	0.10	-0.03	0.03	0.21#	-0.93#	-0.93#	-0.93#	-0.93#	-0.33	0.93#	-0.93#	-0.17	-0.93#	0.88	-0.33	0.72	-0.93#	0.05
1972-73 SE OF DP		0.43	0.38	0.65	0.48	0.17	0.18	0.07	0.30	0.30	0.30	0.30	0.29	0.31	0.30	0.61	0.30	0.88	0.45	1.00	0.30	0.36
AGE: 17																						
1972-73 P-VALUE	2.92	2.44	1.05	3.38	4.44	3.38	2.45	3.34	0.00	2.64	1.45	0.42	1.75	4.46	2.39	3.04	0.21	4.10	3.44	2.15	3.11	3.29
1972-73 SE OF P-VAL	0.40	0.51	0.45	0.94	0.98	0.57	0.57	0.48	0.00	1.53	1.12	0.42	0.51	0.64	1.70	1.48	0.21	1.34	1.53	0.96	0.92	0.81
1972-73 DELTA-P		-0.48	-1.87#	0.46	1.52	0.46	-0.47	0.42#	-2.92#	-0.28	-1.47	-2.50#	-1.17#	1.54#	-0.53	0.12	-2.71#	1.18	0.52	-0.77	0.19	0.37
1972-73 SE OF DP		0.53	0.53	0.71	0.82	0.40	0.40	0.12	0.40	1.55	1.13	0.53	0.45	0.38	1.65	1.38	0.45	1.23	1.46	0.86	0.90	0.68
AGE: Ad																						
1972-73 P-VALUE	2.97	2.99	2.58	2.43	3.88	3.80	2.20	3.47	0.22	0.50	1.24	2.40	4.81	3.04	1.72	3.25	2.47	5.54	0.28	3.26	1.75	2.61
1972-73 SE OF P-VAL	0.51	0.91	0.96	1.09	1.03	0.80	0.59	0.59	0.22	0.51	0.57	1.45	1.09	0.73	1.79	3.07	1.40	1.73	0.27	1.64	0.91	0.63
1972-73 DELTA-P		0.02	-0.39	-0.54	0.91	0.83	-0.77	0.50#	-2.75#	-2.47#	-1.73#	-0.57	1.64*	0.07	-1.25	2.28	-0.50	2.57	-2.65#	0.29	-1.22	-0.36
1972-73 SE OF DP		0.83	0.89	0.87	0.88	0.49	0.47	0.11	0.54	0.67	0.58	1.24	0.80	0.73	1.81	2.82	1.35	1.58	0.56	1.53	0.93	0.55
RESPONSE: 106 AGE: 13	TEXT: Terrain, water table, etc.																					
1972-73 P-VALUE	1.65	1.61	0.72	1.01	3.19	1.72	1.58	1.93	0.36	0.46	0.69	0.67	1.32	2.67	0.49	1.27	2.26	2.87	0.59	3.03	1.16	1.13
1972-73 SE OF P-VAL	0.34	0.43	0.35	0.54	1.04	0.47	0.37	0.41	0.35	0.44	0.68	0.67	0.47	0.72	0.35	0.85	1.67	1.15	0.32	1.19	0.54	0.37
1972-73 DELTA-P		-0.04	-0.93*	-0.64	1.54	0.07	-0.07	0.28#	-1.29#	-1.19	-0.96	-0.98	-0.33	1.02*	-1.16#	-0.38	0.61	1.22	-1.06*	1.38	-0.49	-0.52
1972-73 SE OF DP		0.46	0.42	0.51	0.79	0.25	0.27	0.10	0.46	0.60	0.65	0.71	0.44	0.48	0.46	0.81	1.54	1.03	0.44	1.01	0.56	0.38
AGE: 17																						
1972-73 P-VALUE	3.61	1.72	3.30	2.76	4.85	3.74	3.48	3.66	2.34	5.86	1.10	2.90	3.77	4.12	2.40	1.26	2.18	5.62	4.55	5.38	1.85	3.62
1972-73 SE OF P-VAL	0.43	0.96	0.42	0.84	0.87	0.50	0.64	0.47	0.91	2.42	0.74	1.13	0.89	0.65	1.21	0.83	1.09	1.77	1.23	1.54	1.03	0.79
1972-73 DELTA-P		0.11	-0.31	-0.85	1.24	0.13	-0.13	0.05	-1.27	2.25	-2.51#	-0.71	0.16	0.51	-1.21	-2.35#	-1.43	2.01	0.94	1.77	-1.76	0.01
1972-73 SE OF DP		0.77	0.54	0.68	0.77	0.38	0.39	0.17	0.90	2.32	0.76	1.13	0.70	0.49	1.22	0.86	1.09	1.58	1.22	1.55	0.94	0.63
AGE: Ad																						
1972-73 P-VALUE	2.57	3.41	1.28	1.78	3.74	2.89	2.27	2.83	0.57	2.42	1.59	2.14	2.00	4.90	0.00	1.67	2.98	5.76	2.81	4.78	2.18	1.07
1972-73 SE OF P-VAL	0.30	0.71	0.55	0.47	0.63	0.47	0.44	0.35	0.44	1.18	0.57	0.75	0.59	0.87	0.00	0.85	1.72	1.49	1.53	1.23	0.99	0.34
1972-73 DELTA-P		0.84	-1.29#	-0.79	1.17*	0.32	-0.30	0.26*	-2.00#	-0.15	-0.98	-0.43	-0.57	2.33#	-2.57#	-0.90	0.41	3.19*	0.24	2.21	-0.39	-1.50#
1972-73 SE OF DP		0.60	0.51	0.43	0.53	0.36	0.33	0.11	0.53	1.17	0.54	0.74	0.53	0.74	0.30	0.80	1.73	1.38	1.48	1.21	0.97	0.35
RESPONSE: 107 AGE: 13	TEXT: Physical factors resulting from buildings.																					
1972-73 P-VALUE	5.27	6.40	4.04	6.62	3.98	5.65	4.86	6.20	0.31	2.22	2.09	5.40	5.02	6.62	3.50	3.65	1.31	6.94	5.45	5.53	7.68	4.84
1972-73 SE OF P-VAL	0.45	0.83	0.72	1.06	0.93	0.53	0.72	0.54	0.22	1.10	1.25	1.71	0.79	0.81	1.11	1.76	0.91	1.48	1.97	1.17	1.17	0.75
1972-73 DELTA-P		1.13	-1.23	1.35	-1.29	0.38	-0.41	0.93#	-4.96#	-3.05#	-3.18#	0.13	-0.25	1.35*	-1.77	-1.62	-3.96#	1.67	0.18	0.26	2.41*	-0.43
1972-73 SE OF DP		0.74	0.70	0.87	0.79	0.41	0.45	0.17	0.49	1.09	1.27	1.65	0.68	0.58	1.08	1.67	0.95	1.43	1.81	1.07	1.17	0.65
AGE: 17																						
1972-73 P-VALUE	6.59	4.91	6.93	7.19	7.52	6.52	6.66	7.09	4.18	3.70	2.09	2.63	4.99	9.12	5.92	7.82	3.76	6.71	8.34	7.05	8.05	5.43
1972-73 SE OF P-VAL	0.67	1.02	0.98	1.70	0.98	0.89	0.95	0.71	1.12	2.29	0.85	1.10	0.86	1.02	2.62	3.23	1.15	2.29	2.45	1.61	1.52	0.75
1972-73 DELTA-P		-1.68	0.34	0.60	0.93	-0.07	0.07	0.50#	-2.41*	-2.89	-4.50#	-3.96#	-1.60*	2.53#	-0.67	1.23	-2.83#	0.12	1.75	0.46	1.46	-1.16
1972-73 SE OF DP		0.94	1.02	1.25	0.98	0.63	0.65	0.20	1.07	2.17	0.97	1.06	0.71	0.59	2.54	3.03	1.12	2.03	2.23	1.47	1.42	0.81
AGE: Ad																						
1972-73 P-VALUE	4.68	5.26	5.77	3.27	4.83	6.04	3.42	5.04	4.24	0.00	2.83	4.51	4.96	6.48	3.66	3.43	3.78	3.74	6.57	5.57	3.99	5.00
1972-73 SE OF P-VAL	0.54	1.07	1.49	0.85	1.26	0.84	0.70	0.58	1.59	0.00	0.76	1.23	0.90	1.16	2.18	1.42	1.47	1.63	2.46	1.51	1.66	0.87
1972-73 DELTA-P		0.58	1.09	-1.41*	0.15	1.36*	-1.26*	0.36*	-0.44	-4.68#	-1.85#	-0.17	0.28	1.80	-1.02	-1.25	-0.90	-0.94	1.89	0.89	-0.69	0.32
1972-73 SE OF DP		0.94	1.25	0.61	1.03	0.57	0.51	0.18	1.45	0.54	0.67	1.11	0.72	0.94	2.15	1.44	1.40	1.47	2.34	1.32	1.61	0.73

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

First physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 108 AGE: 13 TEXT: Pollution (as it would affect choice of types of plantings).																						
1972-73 P-VALUE	0.48	0.29	0.19	0.84	0.57	0.56	0.40	0.49	0.00	1.13	0.00	1.18	0.05	0.87	0.18	0.34	0.51	0.54	1.03	0.71	0.00	0.41
1972-73 SE OF P-VAL	0.14	0.18	0.13	0.39	0.33	0.22	0.17	0.16	0.00	0.78	0.00	0.69	0.05	0.32	0.18	0.25	0.51	0.39	0.71	0.50	0.00	0.25
1972-73 DELTA-P		-0.19	-0.29	0.36	0.09	0.08	-0.08	0.01	-0.48#	0.65	-0.48#	0.70	-0.43#	0.39	-0.30	-0.14	0.03	0.06	0.55	0.23	-0.48#	-0.07
1972-73 SE OF DP		0.19	0.17	0.30	0.27	0.13	0.14	0.06	0.14	0.74	0.14	0.65	0.15	0.20	0.20	0.27	0.50	0.38	0.65	0.43	0.14	0.20
AGE: 17																						
1972-73 P-VALUE	0.52	0.48	0.78	0.71	0.10	0.21	0.84	0.62	0.00	0.00	0.39	0.46	0.59	0.57	0.00	0.93	0.40	0.00	0.00	0.44	0.83	0.68
1972-73 SE OF P-VAL	0.19	0.26	0.62	0.44	0.10	0.15	0.29	0.23	0.00	0.00	0.39	0.46	0.37	0.31	0.00	0.81	0.39	0.00	0.00	0.33	0.65	0.43
1972-73 DELTA-P		-0.04	0.26	0.19	-0.42*	-0.31#	0.32*	0.10*	-0.52#	-0.52#	-0.13	-0.06	0.07	0.05	-0.52#	0.41	-0.12	-0.52#	-0.52#	-0.08	0.31	0.16
1972-73 SE OF DP		0.26	0.52	0.34	0.21	0.12	0.13	0.04	0.19	0.19	0.41	0.46	0.30	0.21	0.19	0.75	0.41	0.19	0.19	0.34	0.57	0.32
AGE: Ad																						
1972-73 P-VALUE	0.65	0.35	1.14	0.78	0.38	0.63	0.67	0.73	0.31	0.00	0.46	0.73	0.53	1.03	0.00	0.00	1.33	1.05	0.00	0.00	1.66	0.54
1972-73 SE OF P-VAL	0.19	0.26	0.55	0.31	0.38	0.26	0.25	0.22	0.31	0.00	0.38	0.44	0.38	0.41	0.00	0.00	0.83	0.69	0.00	0.00	0.94	0.23
1972-73 DELTA-P		-0.30	0.49	0.13	-0.27	-0.02	0.02	0.08	-0.34	-0.65#	-0.19	0.08	-0.12	0.38	-0.65#	-0.65#	0.68	0.40	-0.65#	-0.65#	1.01	-0.11
1972-73 SE OF DP		0.27	0.46	0.28	0.32	0.18	0.17	0.05	0.33	0.19	0.33	0.42	0.31	0.37	0.19	0.19	0.75	0.60	0.19	0.19	0.85	0.23
RESPONSE: 109 AGE: 13 TEXT: Natural features already present.																						
1972-73 P-VALUE	3.58	2.43	3.19	5.42	3.17	3.34	3.84	4.05	1.20	1.80	2.26	3.10	3.94	4.08	2.32	2.71	1.77	3.69	3.82	4.66	4.46	3.28
1972-73 SE OF P-VAL	0.48	0.62	1.02	1.29	0.74	0.77	0.60	0.56	0.47	1.02	1.15	1.32	0.86	0.61	0.84	1.39	0.90	1.25	1.14	1.83	1.47	0.73
1972-73 DELTA-P		-1.15	-0.39	1.84	-0.41	-0.24	0.26	0.47#	-2.38#	-1.78	-1.32	-0.48	0.36	0.50	-1.26	-0.87	-1.81	0.11	0.24	1.08	0.88	-0.30
1972-73 SE OF DP		0.66	0.89	1.01	0.70	0.48	0.52	0.14	0.65	1.04	1.13	1.29	0.60	0.47	0.65	1.36	0.99	1.23	1.15	1.61	1.30	0.62
AGE: 17																						
1972-73 P-VALUE	2.22	2.20	2.53	2.07	1.65	2.05	2.39	2.23	2.44	1.51	1.40	2.96	2.94	1.70	2.22	2.73	1.02	4.54	3.25	1.00	0.69	2.59
1972-73 SE OF P-VAL	0.47	1.40	0.84	0.45	0.67	0.37	0.84	0.55	1.01	0.81	0.78	1.36	0.74	0.69	1.28	0.96	0.71	3.05	1.07	0.56	0.55	0.64
1972-73 DELTA-P		-0.02	0.31	0.25	-0.57	-0.17	0.17	0.01	0.22	-0.71	-0.82	0.74	0.72	-0.52	0.00	0.51	-1.20	2.32	1.03	-1.22	-1.53*	0.37
1972-73 SE OF DP		1.05	0.81	0.54	0.68	0.45	0.45	0.16	1.03	0.91	0.87	1.37	0.56	0.36	1.37	0.98	0.89	2.70	1.11	0.66	0.64	0.61
AGE: Ad																						
1972-73 P-VALUE	0.58	1.60	0.00	0.24	0.50	0.57	0.59	0.65	0.00	0.60	0.25	0.00	1.00	0.65	1.56	0.00	0.00	0.00	0.00	0.28	0.46	1.28
1972-73 SE OF P-VAL	0.26	0.97	0.00	0.24	0.29	0.26	0.36	0.31	0.00	0.61	0.25	0.00	0.62	0.37	1.56	0.00	0.00	0.00	0.00	0.28	0.44	0.62
1972-73 DELTA-P		1.02	-0.58*	-0.34	-0.08	-0.01	0.01	0.07	-0.58*	0.02	-0.33	-0.58*	0.42	0.07	0.98	-0.58*	-0.58*	-0.58*	-0.58*	-0.30	-0.12	0.70
1972-73 SE OF DP		0.73	0.26	0.30	0.33	0.18	0.17	0.06	0.26	0.65	0.32	0.26	0.40	0.25	1.53	0.26	0.26	0.26	0.26	0.36	0.46	0.37
RESPONSE: 110 AGE: 13 TEXT: Other Acceptable Responses.																						
1972-73 P-VALUE	1.47	1.56	2.00	1.86	0.51	1.62	1.30	1.70	0.67	0.00	2.15	0.47	1.33	1.95	0.65	1.87	0.42	1.85	0.26	0.91	1.72	1.91
1972-73 SE OF P-VAL	0.28	0.54	0.75	0.64	0.16	[illegible]	0.29	0.35	0.49	0.00	2.12	0.46	0.62	0.49	0.55	1.37	0.43	0.80	0.26	0.32	0.92	0.50
1972-73 DELTA-P		0.09	0.53	0.39	-0.96#	[illegible].15	-0.17	0.23#	-0.80	-1.47#	0.68	-1.00*	-0.14	0.48	-0.82	0.40	-1.05*	0.38	-1.21#	-0.56	0.25	0.44
1972-73 SE OF DP		0.48	0.61	0.52	0.30	0.27	0.29	0.09	0.54	0.28	1.99	0.46	0.55	0.43	0.57	1.22	0.50	0.76	0.37	0.38	0.86	0.40
AGE: 17																						
1972-73 P-VALUE	1.96	2.70	1.01	2.40	1.28	2.18	1.74	2.09	1.56	0.61	0.70	0.31	2.86	2.09	0.00	3.11	0.86	3.42	1.49	1.77	0.85	2.17
1972-73 SE OF P-VAL	0.31	0.90	0.52	0.36	0.40	0.45	0.40	0.34	0.76	0.57	0.50	0.30	0.54	0.52	0.00	0.91	0.55	1.14	0.85	0.83	0.61	0.53
1972-73 DELTA-P		0.74	-0.95	0.44	-0.68	0.22	-0.22	0.13	-0.40	-1.35*	-1.26*	-1.65#	0.90*	0.13	-1.96#	1.15	-1.10	1.46	-0.47	-0.19	-1.11*	0.21
1972-73 SE OF DP		0.68	0.51	0.38	0.43	0.29	0.30	0.11	0.72	0.64	0.58	0.38	0.44	0.33	0.31	0.93	0.57	0.99	0.86	0.74	0.55	0.47
AGE: Ad																						
1972-73 P-VALUE	0.60	0.45	0.30	0.81	0.76	0.57	0.63	0.66	0.00	0.80	0.56	0.34	0.14	1.47	0.00	0.00	0.61	1.15	0.00	1.12	0.23	0.64
1972-73 SE OF P-VAL	0.21	0.31	0.22	0.53	0.43	0.33	0.26	0.25	0.00	0.81	0.29	0.33	0.14	0.74	0.00	0.00	0.59	1.15	0.00	0.68	0.23	0.31
1972-73 DELTA-P		-0.15	-0.30	0.21	0.16	-0.03	0.03	0.06	-0.60#	0.20	-0.04	-0.26	-0.46*	0.87	-0.60#	-0.60#	0.01	0.55	-0.60#	0.52	-0.37	0.04
1972-73 SE OF DP		0.31	0.27	0.40	0.36	0.22	0.20	0.06	0.21	0.79	0.29	0.35	0.22	0.57	0.21	0.21	0.58	1.03	0.21	0.63	0.29	0.25
RESPONSE: 02 AGE: 13 TEXT: All Unacceptable Responses.																						
1972-73 P-VALUE	41.79	39.76	43.53	42.21	41.67	39.07	44.09	41.71	44.46	38.32	42.66	38.12	41.67	40.50	47.04	47.97	36.82	38.00	43.73	40.93	40.64	42.29
1972-73 SE OF P-VAL	1.23	2.24	2.52	2.74	2.24	1.53	1.59	1.34	3.70	5.79	4.96	3.94	2.28	1.90	2.92	2.35	3.47	3.28	4.09	4.05	2.77	2.24
1972-73 DELTA-P		-2.03	1.74	0.42	-0.12	-2.12*	2.30*	-0.08	2.67	-3.47	0.87	-3.67	-0.12	-1.29	5.25	6.18#	-4.97	-3.79	1.94	-0.86	-1.15	0.50
1972-73 SE OF DP		2.02	2.19	2.26	1.99	0.93	1.01	0.60	3.56	5.46	4.97	3.62	1.71	1.44	2.88	2.41	3.53	3.30	3.73	3.65	2.60	1.67

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

First physical factor given.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: 17 TEXT: All Unacceptable Responses.																						
1972-73 P-VALUE	27.59	23.72	32.69	29.17	25.88	28.08	27.09	25.13	38.85	42.94	43.18	39.38	30.03	21.49	28.26	34.40	35.45	20.74	30.08	28.67	24.78	26.45
1972-73 SE OF P-VAL	1.19	2.60	2.36	2.64	1.53	1.74	1.48	1.37	3.18	3.41	5.14	3.59	1.99	1.37	3.84	4.54	4.07	3.35	3.85	3.69	2.98	2.19
1972-73 DELTA-P		-3.87	5.10*	1.58	-1.71	0.49	-0.50	-2.46#	11.26#	15.35#	15.51#	11.71#	2.44	-6.10#	0.67	6.81	7.86	-6.85*	2.49	1.08	-2.81	-1.14
1972-73 SE OF DP		2.17	2.21	2.05	1.64	1.09	1.12	0.58	2.96	3.49	4.68	3.16	1.44	1.40	3.81	4.52	3.94	3.22	3.60	3.28	2.87	1.89
AGE: Ad																						
1972-73 P-VALUE	18.84	16.64	18.54	20.61	19.14	19.13	18.57	16.43	33.61	27.78	21.16	21.52	18.26	14.56	25.05	22.44	29.95	13.11	22.53	17.65	23.48	15.47
1972-73 SE OF P-VAL	1.01	2.68	1.96	1.51	1.82	1.44	1.37	1.04	3.87	3.87	1.80	2.37	1.89	2.18	6.46	3.13	3.20	2.14	5.42	2.89	2.85	1.48
1972-73 DELTA-P		-2.20	-0.30	1.77	0.30	0.29	-0.27	-2.41#	14.77#	8.94*	2.32	2.68	-0.58	-4.28*	6.21	3.60	11.11#	-5.73#	3.69	-1.19	4.64	-3.37#
1972-73 SE OF DP		2.17	1.79	1.40	1.62	1.01	0.93	0.57	3.54	3.91	1.60	2.08	1.41	2.11	6.33	3.06	3.13	1.88	5.14	2.68	2.78	1.24
RESPONSE: 250 AGE: 13 TEXT: Procedure to follow: or items to put in the parks.																						
1972-73 P-VALUE	11.32	8.85	9.55	12.81	13.75	10.60	12.10	11.66	9.53	10.21	13.57	9.11	11.26	10.92	12.64	15.59	10.24	13.45	10.11	14.36	11.01	8.57
1972-73 SE OF P-VAL	0.90	1.13	2.25	2.10	1.43	1.25	1.19	1.04	1.77	2.95	3.28	2.71	1.62	1.14	1.90	3.17	3.71	2.96	2.05	3.24	1.60	1.38
1972-73 DELTA-P		-2.47*	-1.77	1.49	2.43	-0.72	0.78	0.34	-1.79	-1.11	2.25	-2.21	-0.06	-0.40	1.32	4.27	-1.08	2.13	-1.21	3.04	-0.31	-2.75*
1972-73 SE OF DP		1.20	1.86	1.72	1.33	0.80	0.86	0.35	1.74	2.92	3.17	2.57	1.20	0.94	1.54	2.82	3.67	2.95	2.06	2.98	1.60	1.14
AGE: 17																						
1972-73 P-VALUE	5.84	3.79	7.24	7.06	5.52	7.12	4.53	5.21	8.43	10.46	13.98	6.91	5.33	4.97	5.29	7.13	10.34	1.03	5.51	5.00	5.05	7.13
1972-73 SE OF P-VAL	0.71	1.14	1.29	1.73	1.04	0.98	0.76	0.74	2.02	2.91	3.74	1.71	1.07	0.86	1.80	1.75	2.89	0.57	1.86	1.56	1.28	1.54
1972-73 DELTA-P		-2.05*	1.40	1.22	-0.32	1.28*	-1.31#	-0.63	2.59	4.62	8.14*	1.07	-0.51	-0.87	-0.55	1.29	4.50	-4.81#	-0.33	-0.84	-0.79	1.29
1972-73 SE OF DP		1.02	1.23	1.31	1.04	0.53	0.52	0.34	1.86	2.74	3.55	1.51	0.82	0.59	1.72	1.70	2.69	0.86	1.79	1.44	1.22	1.15
AGE: Ad																						
1972-73 P-VALUE	3.24	2.22	3.99	3.82	2.91	2.65	3.79	3.18	3.54	3.56	4.11	3.46	2.76	2.99	1.71	4.35	4.01	0.00	3.20	2.41	7.60	2.82
1972-73 SE OF P-VAL	0.40	1.08	0.73	0.62	0.74	0.52	0.66	0.47	1.16	1.41	0.93	0.96	0.64	1.09	1.71	1.63	1.19	0.00	1.25	1.03	2.44	0.53
1972-73 DELTA-P		-1.02	0.75	0.58	-0.33	-0.59	0.55	-0.06	0.30	0.32	0.87	0.22	-0.48	-0.25	-1.53	1.11	0.77	-3.24#	-0.04	-0.83	4.36	-0.42
1972-73 SE OF DP		0.88	0.69	0.56	0.65	0.46	0.43	0.16	1.20	1.39	0.82	0.99	0.61	0.87	1.73	1.54	1.21	0.40	1.31	1.03	2.19	0.48
RESPONSE: 251 AGE: 13 TEXT: "People factors" (location of sidewalks, street buildings and recreational facilities in and around the park).																						
1972-73 P-VALUE	11.84	11.84	12.85	12.22	10.54	10.67	13.10	11.42	16.17	9.72	12.06	8.48	13.22	10.96	13.03	7.64	13.75	9.34	14.88	10.50	13.02	12.95
1972-73 SE OF P-VAL	0.87	1.42	2.32	1.74	1.39	0.93	1.26	0.95	3.26	1.56	4.74	1.84	1.36	1.23	1.61	1.97	2.67	1.64	3.23	2.27	2.05	1.51
1972-73 DELTA-P		0.00	1.01	0.38	-1.30	-1.17	1.26	-0.42	4.33	-2.12	0.22	-3.36*	1.38	-0.88	1.19	-4.20*	1.91	-2.50	3.04	-1.34	1.18	1.11
1972-73 SE OF DP		1.34	1.88	1.49	1.31	0.66	0.72	0.44	2.99	1.72	4.37	1.65	1.23	0.97	1.32	1.88	2.65	1.81	2.91	2.18	1.85	1.10
AGE: 17																						
1972-73 P-VALUE	6.96	5.13	8.40	7.90	6.71	7.01	6.91	6.02	11.96	11.15	8.32	17.90	6.42	4.84	7.82	11.74	7.61	4.24	8.01	8.69	7.16	5.21
1972-73 SE OF P-VAL	0.60	1.31	1.36	0.99	1.01	0.77	0.89	0.66	1.75	3.33	2.15	2.73	1.04	0.77	1.60	1.87	1.76	1.54	1.47	1.67	1.06	0.98
1972-73 DELTA-P		-1.83	1.44	0.94	-0.25	0.05	-0.05	-0.94#	5.00#	4.19	1.36	10.94#	-0.54	-2.12#	0.86	4.78#	0.65	-2.72*	1.05	1.73	0.20	-1.75*
1972-73 SE OF DP		1.03	1.23	0.87	0.95	0.57	0.58	0.31	1.72	3.30	1.95	2.56	0.87	0.65	1.60	1.90	1.73	1.35	1.43	1.43	1.06	0.82
AGE: Ad																						
1972-73 P-VALUE	5.66	5.86	4.41	6.65	5.40	4.90	6.36	4.49	11.47	12.63	6.93	6.74	6.17	3.15	4.74	5.55	9.59	3.90	12.23	6.87	5.41	3.63
1972-73 SE OF P-VAL	0.62	1.28	0.73	1.46	1.08	0.97	0.88	0.67	2.27	3.40	1.18	2.02	1.14	0.92	2.38	2.24	2.29	1.51	4.41	2.15	1.98	0.88
1972-73 DELTA-P		0.20	-1.25	0.99	-0.26	-0.76	0.70	-1.17#	5.81#	6.97*	1.27	1.08	0.51	-2.51#	-0.92	-0.11	3.93	-1.76	6.57	1.21	-0.25	-2.03#
1972-73 SE OF DP		1.11	0.83	1.13	0.98	0.70	0.65	0.35	2.11	3.35	0.99	1.73	0.92	0.99	2.37	2.11	2.44	1.49	4.18	2.05	1.82	0.75
RESPONSE: 252 AGE: 13 TEXT: Other Unacceptable Responses.																						
1972-73 P-VALUE	18.62	19.06	21.12	17.16	17.38	18.39	18.87	18.62	18.75	18.38	17.02	20.52	17.19	18.62	21.36	24.72	12.82	15.20	18.73	16.05	16.59	20.77
1972-73 SE OF P-VAL	0.91	1.61	1.52	2.06	1.99	1.27	1.25	0.92	2.34	6.17	3.57	3.50	1.72	1.25	2.43	3.06	3.08	3.41	2.50	2.39	1.69	1.68
1972-73 DELTA-P		0.44	2.50	-1.46	-1.24	-0.23	0.25	0.00	0.13	-0.24	-1.60	1.90	-1.43	0.00	2.74	6.10*	-5.80	-3.42	0.11	-2.57	-2.03	2.15
1972-73 SE OF DP		1.47	1.44	1.70	1.66	0.84	0.91	0.49	2.29	5.79	3.49	3.21	1.46	1.06	2.09	2.91	3.03	3.20	2.37	2.31	1.74	1.35
AGE: 17																						
1972-73 P-VALUE	14.79	14.79	17.06	14.21	13.65	13.95	15.65	13.90	18.46	21.33	20.80	14.49	18.29	11.68	15.15	15.54	17.50	15.47	16.56	14.98	12.57	14.11
1972-73 SE OF P-VAL	1.01	2.82	1.67	1.59	1.40	1.74	1.05	1.23	1.67	3.25	6.35	2.01	2.01	1.00	3.01	3.38	1.67	3.06	2.31	2.76	2.07	2.74
1972-73 DELTA-P		0.00	2.27	-0.58	-1.14	-0.84	0.86	-0.89*	3.67*	6.54	6.01	-0.30	3.50*	-3.11#	0.36	0.75	2.71	0.68	1.77	0.19	-2.22	-0.68
1972-73 SE OF DP		2.15	1.66	1.82	1.45	1.01	1.02	0.36	1.78	3.40	5.70	2.24	1.53	0.96	3.10	3.27	1.82	3.09	2.35	2.50	2.14	2.11

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 BP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

First physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 252 AGE: Ad TEXT: Other Unacceptable Responses.																						
1972-73 P-VALUE	9.94	8.57	10.13	10.14	10.83	11.57	8.42	8.76	18.61	11.59	10.12	11.32	9.33	8.42	18.60	12.54	16.34	9.21	7.10	8.38	10.47	9.02
1972-73 SE OF P-VAL	0.72	1.71	1.78	0.99	1.37	1.02	0.96	0.69	3.59	2.60	1.19	1.72	1.35	1.49	6.57	1.78	2.97	2.02	2.26	2.59	1.67	1.09
1972-73 DELTA-P		-1.37	0.19	0.20	0.89	1.63*	-1.52*	-1.18#	8.67#	1.65	0.18	1.38	-0.61	-1.52	8.66	2.60	6.40*	-0.73	-2.84	-1.56	0.53	-0.92
1972-73 SE OF DP		1.42	1.53	0.97	1.20	0.70	0.64	0.44	3.23	2.65	1.03	1.48	1.16	1.42	6.35	1.71	2.62	1.95	2.22	2.49	1.65	0.88
RESPONSE: 399 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	15.99	14.29	18.84	14.72	16.24	15.36	16.68	13.59	29.47	22.62	26.68	26.05	15.61	9.69	23.94	15.12	26.38	9.27	17.63	14.98	12.29	18.13
1972-73 SE OF P-VAL	1.03	1.88	2.03	1.66	2.62	1.20	1.35	1.11	3.48	3.48	3.68	3.32	1.90	1.01	2.65	2.56	7.13	2.13	2.86	2.30	1.22	2.24
1972-73 DELTA-P		-1.70	2.85	-1.27	0.25	-0.63	0.69	-2.40#	13.48#	6.63	10.69#	10.06#	-0.38	-6.30#	7.95#	-0.87	10.39	-6.72#	1.64	-1.01	-3.70*	2.14
1972-73 SE OF DP		1.70	1.82	1.56	2.09	0.71	0.77	0.55	3.24	3.36	3.47	2.88	1.49	0.98	2.33	2.44	6.86	2.25	2.69	2.25	1.54	1.66
AGE: 17																						
1972-73 P-VALUE	5.16	3.14	9.13	3.98	5.81	4.67	5.67	3.77	14.94	5.67	12.72	8.71	4.18	2.87	15.32	4.55	12.69	2.55	4.87	4.26	4.68	5.13
1972-73 SE OF P-VAL	0.56	0.98	1.42	0.80	1.25	0.72	0.76	0.50	2.51	1.54	2.84	1.68	0.90	0.52	2.70	1.77	1.93	1.54	1.59	1.34	1.23	1.25
1972-73 DELTA-P		-2.02*	3.97#	-1.18	0.65	-0.49	0.51	-1.39#	9.78#	0.51	7.56#	3.55*	-0.98	-2.29#	10.16#	-0.61	7.53#	-2.61	-0.29	-0.90	-0.48	-0.03
1972-73 SE OF DP		0.84	1.24	0.74	1.08	0.47	0.50	0.36	2.34	1.57	2.64	1.55	0.65	0.54	2.50	1.85	1.82	1.41	1.56	1.22	1.16	1.05
AGE: Ad																						
1972-73 P-VALUE	17.13	14.98	21.85	19.45	12.62	14.67	19.42	13.59	37.86	32.04	31.67	18.67	11.08	4.52	47.27	19.29	28.96	5.25	16.57	14.92	19.20	17.82
1972-73 SE OF P-VAL	1.37	2.56	2.52	3.22	2.46	1.65	1.78	1.36	4.33	6.64	2.81	3.45	1.47	1.04	6.81	3.18	4.15	1.65	3.85	5.24	3.82	1.85
1972-73 DELTA-P		-2.15	4.72	2.32	-4.51*	-2.46*	2.29*	-3.54#	20.73#	14.91*	14.54#	1.54	-6.05#	-12.61#	30.14#	2.16	11.83#	-11.88#	-0.56	-2.21	2.07	0.69
1972-73 SE OF DP		2.32	2.39	2.51	2.19	1.07	0.98	0.73	4.30	6.11	2.05	2.99	1.41	1.27	6.97	3.26	3.87	1.89	3.65	4.56	3.43	1.49

EXERCISE: 205014-234 BP257

Second physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	15.42	13.24	18.35	12.38	17.81	18.22	12.38	12.82	26.66	28.13	20.01	16.07	16.93	11.18	21.43	21.96	27.14	12.09	18.81	12.04	16.48	12.46
1972-73 SE OF P-VAL	1.01	1.62	1.95	1.39	2.80	1.41	1.27	1.03	3.22	5.04	5.22	2.89	1.39	1.23	2.75	3.38	7.71	2.04	2.56	3.01	2.70	1.20
1972-73 DELTA-P		-2.18	2.93	-3.04*	2.39	2.80#	-3.04#	-2.60#	11.24#	12.71#	4.59	0.65	1.51	-4.24#	6.01#	6.54*	11.72	-3.33	3.39	-3.38	1.06	-2.96*
1972-73 SE OF DP		1.54	1.77	1.40	2.19	0.88	0.91	0.54	3.14	4.62	4.81	2.78	1.20	1.11	2.27	3.09	7.29	2.02	2.59	2.69	2.57	1.36
AGE: 17																						
1972-73 P-VALUE	12.21	10.42	14.92	13.13	10.89	13.47	10.92	10.30	23.60	17.76	18.13	11.57	13.42	9.66	21.08	6.48	25.19	9.42	11.65	12.24	11.92	11.75
1972-73 SE OF P-VAL	0.94	2.05	1.48	1.94	1.58	1.25	1.14	0.92	2.46	4.03	3.45	1.72	1.56	1.04	3.96	2.48	2.49	3.52	2.15	1.89	1.81	1.62
1972-73 DELTA-P		-1.79	2.71	0.92	-1.32	1.26	-1.29	-1.91#	11.39#	5.55	5.92	-0.64	1.21	-2.55#	8.87*	-5.73*	12.98#	-2.79	-0.56	0.03	-0.29	-0.46
1972-73 SE OF DP		1.66	1.48	1.55	1.48	0.75	0.75	0.48	2.12	4.00	3.17	1.82	1.17	0.73	3.60	2.55	2.53	3.04	2.06	1.65	1.80	1.49
AGE: Ad																						
1972-73 P-VALUE	10.53	9.32	10.49	11.22	10.90	10.05	10.98	9.51	15.52	16.72	10.07	11.38	12.21	7.54	16.77	9.79	16.48	9.30	8.90	8.22	7.70	11.56
1972-73 SE OF P-VAL	0.83	1.45	1.64	1.51	1.96	1.11	0.96	0.79	2.89	4.91	1.73	2.09	1.56	1.74	5.32	3.15	2.86	3.11	2.94	2.97	1.56	1.40
1972-73 DELTA-P		-1.21	-0.04	0.69	0.37	-0.48	0.45	-1.02*	4.99	6.19	-0.46	0.85	1.68	-2.99*	6.24	-0.74	5.95*	-1.23	-1.63	-2.31	-2.83	1.03
1972-73 SE OF DP		1.33	1.49	1.29	1.60	0.65	0.60	0.43	2.68	4.61	1.34	1.86	1.60	1.45	5.23	3.10	2.92	2.87	2.85	2.72	1.54	1.12
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	25.95	33.14	20.18	25.21	25.28	27.06	24.74	29.99	5.72	10.71	8.01	16.61	23.39	37.43	12.91	19.22	12.10	41.71	18.75	29.15	27.67	25.07
1972-73 SE OF P-VAL	1.34	2.95	1.78	3.29	2.13	1.85	1.69	1.54	1.26	2.11	2.08	3.12	2.03	2.08	1.90	5.56	2.35	3.44	3.22	2.85	4.14	2.31
1972-73 DELTA-P		7.19#	-5.77#	-0.74	-0.67	1.11	-1.21	4.04#	-20.23#	-15.24#	-17.94#	-9.34#	-2.56	11.48#	-13.04#	-6.73	-13.85#	15.76#	-7.20*	3.20	1.72	-0.88
1972-73 SE OF DP		2.44	1.92	2.64	2.00	1.11	1.22	0.52	1.68	2.51	2.46	3.13	1.56	1.38	1.92	5.32	2.82	3.35	3.13	2.80	3.54	1.95
AGE: 17																						
1972-73 P-VALUE	50.35	56.28	42.54	48.97	51.59	51.30	49.38	55.46	20.00	35.28	22.49	39.85	46.72	61.04	29.93	48.81	24.26	62.39	47.46	49.88	53.38	52.54
1972-73 SE OF P-VAL	1.47	2.27	2.78	3.51	2.41	2.04	1.85	1.36	2.73	5.61	2.70	4.47	2.07	2.14	4.20	6.08	3.18	2.53	4.07	3.68	3.77	2.37
1972-73 DELTA-P		5.93#	-7.81#	-1.38	1.24	0.95	-0.97	5.11#	-30.35#	-15.07#	-27.86#	-10.50#	-3.63*	10.69#	-20.42#	-1.54	-26.09#	12.04#	-2.89	-0.47	3.03	2.19
1972-73 SE OF DP		2.08	2.64	2.66	2.30	1.26	1.29	0.89	2.50	5.45	2.97	4.07	1.77	1.62	3.93	5.98	3.10	2.39	3.91	3.03	3.62	2.38

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Second physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01• AGE: Ad TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	49.60	54.21	46.41	45.27	52.82	53.36	46.10	55.34	17.46	22.55	32.92	42.29	52.62	72.07	18.47	47.37	27.13	65.66	50.53	47.84	48.47	50.90
1972-73 SE OF P-VAL	1.62	2.26	3.43	3.36	3.68	2.35	1.90	1.59	3.48	4.91	2.84	3.35	2.48	2.16	3.59	7.54	3.57	4.56	4.69	3.06	4.83	2.80
1972-73 DELTA-P		4.61	-3.19	-4.33	3.22	3.76●	-3.50●	5.74●	-32.14●	-27.05●	-16.68●	-7.31•	3.02	22.47●	-31.13●	-2.23	-22.47●	16.06●	0.93	-1.76	-1.13	1.30
1972-73 SE OF DP		2.31	3.09	2.75	3.01	1.43	1.32	0.69	3.49	4.78	2.05	3.08	2.28	1.90	3.93	6.99	3.92	4.55	4.47	2.81	4.73	2.08
RESPONSE: 100 AGE: 13 TEXT: Soil.																						
Response did not occur at this age.																						
AGE: 17																						
Response did not occur at this age.																						
AGE: Ad																						
Response did not occur at this age.																						
RESPONSE: 101 AGE: 13 TEXT: Amount of sunlight.																						
1972-73 P-VALUE	4.55	5.90	2.89	4.24	5.13	4.13	5.00	5.30	0.86	1.59	2.10	2.44	4.61	6.50	1.29	3.45	1.29	7.19	1.85	5.64	3.50	5.27
1972-73 SE OF P-VAL	0.57	1.07	0.83	1.49	0.92	0.75	0.71	0.68	0.51	0.84	1.31	1.23	1.03	0.92	0.57	1.31	0.91	1.30	0.90	1.49	1.13	1.21
1972-73 DELTA-P		1.35	-1.66•	-0.31	0.58	-0.42	0.45	0.75●	-3.69●	-2.96●	-2.45	-2.11	0.06	1.95●	-3.26●	-1.10	-3.26●	2.64•	-2.70●	1.09	-1.05	0.72
1972-73 SE OF DP		0.95	0.81	1.18	0.85	0.44	0.48	0.16	0.73	0.94	1.36	1.07	0.81	0.65	0.64	1.32	1.00	1.24	0.97	1.38	1.04	0.86
AGE: 17																						
1972-73 P-VALUE	8.69	9.38	10.33	7.95	7.46	7.46	9.95	9.44	4.00	6.95	3.82	6.18	6.71	11.40	6.73	9.75	5.35	9.64	6.95	10.20	7.67	9.20
1972-73 SE OF P-VAL	0.72	1.41	1.34	1.53	1.27	1.01	0.99	0.80	1.14	1.67	1.33	1.47	0.96	1.36	2.73	1.17	1.34	1.31	2.67	2.02	1.53	1.40
1972-73 DELTA-P		0.69	1.64	-0.74	-1.23	-1.23	1.26	0.75●	-4.69●	-1.74	-4.87●	-2.51	-1.98•	2.71●	-1.96	1.06	-3.34•	0.95	-1.74	1.51	-1.02	0.51
1972-73 SE OF DP		1.19	1.27	1.21	1.17	0.69	0.71	0.22	1.18	1.74	1.37	1.70	0.86	0.81	2.87	1.24	1.48	1.27	2.54	1.73	1.39	1.11
AGE: Ad																						
1972-73 P-VALUE	7.11	6.13	6.80	6.58	8.87	6.03	8.11	8.06	2.69	0.94	4.42	7.79	7.36	9.76	2.40	2.83	4.81	11.04	4.87	8.79	7.21	7.31
1972-73 SE OF P-VAL	0.69	1.46	1.02	1.55	1.30	1.09	0.97	0.78	1.06	0.63	1.28	1.57	1.16	1.52	1.71	1.19	1.65	2.66	1.71	2.33	1.37	1.42
1972-73 DELTA-P		-0.98	-0.31	-0.53	1.76	-1.08	1.00	0.95●	-4.42●	-6.17●	-2.69●	0.68	0.25	2.65	-4.71●	-4.28●	-2.30	3.93	-2.24	1.68	0.10	0.20
1972-73 SE OF DP		1.26	1.04	1.22	1.14	0.79	0.73	0.18	1.10	0.90	1.01	1.39	0.86	1.46	1.74	1.42	1.66	2.53	1.74	2.22	1.39	0.99
RESPONSE: 102 AGE: 13 TEXT: Size of park.																						
1972-73 P-VALUE	5.21	7.28	3.85	5.19	4.55	5.87	4.50	6.11	0.94	1.45	2.68	2.71	4.90	7.46	2.14	4.52	3.12	8.21	4.03	4.38	9.11	3.99
1972-73 SE OF P-VAL	0.54	1.39	0.54	0.96	1.11	0.75	0.80	0.67	0.42	0.92	1.29	1.18	0.80	0.98	1.08	1.92	1.36	1.49	1.58	1.04	2.24	0.73
1972-73 DELTA-P		2.07	-1.36•	-0.02	-0.66	0.66	-0.71	0.90●	-4.27●	-3.76●	-2.53	-2.50•	-0.31	2.25●	-3.07●	-0.69	-2.09	3.00•	-1.18	-0.83	3.90	-1.22
1972-73 SE OF DP		1.12	0.67	0.86	0.94	0.54	0.59	0.19	0.75	0.97	1.31	1.15	0.70	0.63	1.12	1.81	1.58	1.44	1.51	1.00	1.97	0.70
AGE: 17																						
1972-73 P-VALUE	11.86	12.63	8.74	13.25	11.72	11.43	12.30	13.39	3.91	4.54	6.01	5.42	11.11	15.27	4.89	14.66	5.28	17.60	8.26	10.18	13.63	11.53
1972-73 SE OF P-VAL	0.85	1.97	1.94	1.55	1.20	1.17	1.20	0.95	1.16	1.54	2.16	1.58	1.40	1.44	1.87	4.93	1.54	1.62	1.31	1.81	1.94	1.46
1972-73 DELTA-P		0.77	-3.12	1.39	-0.14	-0.43	0.44	1.53●	-7.95●	-7.32●	-5.85●	-6.44●	-0.75	3.41●	-6.97●	2.80	-6.58●	5.74●	-3.60•	-1.68	1.77	-0.33
1972-73 SE OF DP		1.57	1.74	1.29	1.23	0.82	0.83	0.30	1.24	1.81	2.24	1.43	1.29	0.92	2.04	4.62	1.63	1.49	1.50	1.62	1.75	1.30
AGE: Ad																						
1972-73 P-VALUE	15.46	15.55	14.71	14.01	17.62	15.72	15.22	17.42	5.82	3.64	10.65	12.78	17.88	20.90	2.95	13.84	7.55	15.48	14.48	13.27	15.91	18.39
1972-73 SE OF P-VAL	1.06	1.72	2.59	1.47	2.64	1.38	1.46	1.18	2.11	1.12	1.65	1.81	1.83	2.20	1.81	2.90	2.15	2.45	2.72	2.57	3.38	1.82
1972-73 DELTA-P		0.09	-0.75	-1.45	2.16	0.26	-0.24	1.96●	-9.64●	-11.82●	-4.81●	-2.68	2.42	5.44●	-12.51●	-1.62	-7.91●	0.02	-0.98	-2.19	0.45	2.93•
1972-73 SE OF DP		1.63	2.23	1.44	2.10	0.98	0.91	0.35	2.03	1.56	1.45	1.70	1.50	1.68	2.04	2.82	2.27	2.24	2.50	2.35	3.23	1.35

• The absolute value of this number is greater than 2.0 times its standard error.
● The absolute value of this number is greater than 2.5 times its standard error.

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                         NATION |          REGION            |     SEX       |       RACE          |          PARENTAL EDUCATION            |              SIZE-AND-TYPE OF COMMUNITY
                                | NORTH  SOUTH               |               |               OTHER |         SOME    GRAD   POST            |EXTREME  LOW    HIGH   MAIN  URBAN  MEDIUM  SMALL
                        ________|_EAST___EAST_CENTRAL__WEST__|__MALE__FEMALE_|_WHITE__BLACK___RACE_|_NO HS___HS______HS_____HS__UNKNOWN_|_RURAL__METRO__METRO_BIG CTY_FRINGE__CITY__PLACES
EXERCISE: 205014-234   RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Second physical factor given.

RESPONSE: 103    AGE: 13        TEXT:  Rainfall and water supply.

    1972-73 P-VALUE          3.33     3.50   1.94   3.37   4.41     3.23   3.44     3.72   0.87   2.68     1.73   1.83   3.00   4.51   2.29     3.67   3.21   4.61   3.18   3.96   1.93   3.08
    1972-73 SE OF P-VAL      0.51     1.08   0.67   1.27   0.94     0.68   0.72     0.62   0.49   1.50     0.92   0.95   0.73   0.91   0.66     1.76   0.99   2.06   0.92   1.53   0.83   0.78
    1972-73 DELTA-P                   0.17  -1.39   0.04   1.08    -0.10   0.11     0.39* -2.46# -0.85    -1.60  -1.50  -0.33   1.18* -1.04     0.34  -0.12   1.28  -0.15   0.63  -1.40  -0.25
    1972-73 SE OF DP                  0.93   0.72   1.02   0.83     0.46   0.50     0.17   0.66   1.58     0.99   1.01   0.60   0.54   0.62     1.62   1.07   1.85   0.94   1.37   0.86   0.66

                 AGE: 17

    1972-73 P-VALUE          4.34     7.29   3.54   3.24   2.92     3.66   5.03     4.42   3.34   5.34     1.54   4.94   4.87   4.25   4.18     2.36   2.82   6.66   4.61   5.11   2.74   4.76
    1972-73 SE OF P-VAL      0.59     1.60   0.86   0.85   0.59     0.72   0.94     0.68   1.00   2.19     0.86   1.57   0.94   0.92   0.99     1.08   1.01   2.38   1.26   1.21   0.78   1.18
    1972-73 DELTA-P                   2.95# -0.80  -1.10  -1.42    -0.68   0.69     0.08  -1.00   1.00    -2.80#  0.60   0.53  -0.09  -0.16    -1.98  -1.52   2.32   0.27   0.77  -1.60   0.42
    1972-73 SE OF DP                  1.17   0.90   0.80   0.73     0.59   0.61     0.18   1.05   2.19     1.03   1.41   0.73   0.62   1.05     1.15   1.04   2.08   1.28   1.09   0.95   0.92

                 AGE: Ad

    1972-73 P-VALUE          1.53     2.62   1.53   1.45   0.61     1.22   1.82     1.48   1.80   1.73     2.21   0.34   1.71   1.24   2.62     1.84   3.45   1.58   2.00   1.56   0.75   1.11
    1972-73 SE OF P-VAL      0.22     0.56   0.47   0.45   0.26     0.30   0.34     0.26   0.90   1.24     0.51   0.33   0.53   0.46   1.84     1.15   1.38   0.93   1.24   0.85   0.36   0.32
    1972-73 DELTA-P                   1.09*  0.00  -0.08  -0.92#   -0.31   0.29    -0.05   0.27   0.20     0.68  -1.19#  0.18  -0.29   1.09     0.31   1.92   0.05   0.47   0.03  -0.78* -0.42
    1972-73 SE OF DP                  0.47   0.42   0.36   0.28     0.24   0.23     0.13   0.85   1.26     0.44   0.36   0.43   0.42   1.83     1.09   1.32   0.95   1.19   0.82   0.39   0.27

RESPONSE: 104    AGE: 13        TEXT:  Wind.

    1972-73 P-VALUE          2.16     2.31   1.78   1.68   2.85     2.30   2.00     2.47   0.71   0.88     0.00   0.00   2.01   3.61   0.61     1.51   1.74   2.05   1.18   3.73   1.66   2.29
    1972-73 SE OF P-VAL      0.34     0.62   0.73   0.67   0.65     0.45   0.47     0.39   0.34   0.65     0.00   0.00   0.54   0.69   0.44     0.76   0.84   0.76   0.60   0.93   0.80   0.64
    1972-73 DELTA-P                   0.15  -0.38  -0.48   0.69     0.14  -0.16     0.31# -1.45# -1.28    -2.16# -2.16# -0.15   1.45# -1.55#   -0.65  -0.42  -0.11  -0.98   1.57  -0.50   0.13
    1972-73 SE OF DP                  0.56   0.62   0.57   0.56     0.30   0.33     0.09   0.42   0.68     0.34   0.34   0.43   0.44   0.54     0.76   0.81   0.74   0.57   0.82   0.76   0.49

                 AGE: 17

    1972-73 P-VALUE          3.80     4.76   3.28   3.22   3.85     4.43   3.15     4.29   0.60   3.01     1.99   4.16   3.05   4.73   1.71     2.79   0.95   3.84   2.58   2.69   5.55   4.85
    1972-73 SE OF P-VAL      0.45     1.05   0.76   0.61   1.07     0.64   0.70     0.54   0.50   1.69     0.96   1.41   0.57   0.84   1.25     1.03   0.51   1.45   1.06   0.85   1.57   0.90
    1972-73 DELTA-P                   0.96  -0.52  -0.58   0.05     0.63  -0.65     0.49# -3.20# -0.79    -1.81   0.36  -0.75   0.93  -2.09    -1.01  -2.85#  0.04  -1.22  -1.11   1.75   1.05
    1972-73 SE OF DP                  0.83   0.75   0.59   0.90     0.49   0.50     0.17   0.62   1.71     1.04   1.32   0.53   0.52   1.40     1.10   0.65   1.36   1.04   0.86   1.36   0.72

                 AGE: Ad

    1972-73 P-VALUE          4.39     4.98   2.50   3.28   6.31     5.19   3.47     4.83   1.12   2.26     1.96   3.51   5.26   6.63   0.00     4.73   3.08   4.92   4.54   4.95   4.06   4.12
    1972-73 SE OF P-VAL      0.47     0.76   0.61   0.90   1.26     0.80   0.61     0.52   0.83   1.25     0.62   1.23   0.91   1.18   0.00     2.06   1.39   1.53   1.08   1.37   0.88   0.68
    1972-73 DELTA-P                   0.68  -1.80# -1.02   2.01*    0.89  -0.83     0.53# -3.18# -2.04    -2.34# -0.79   0.96   2.33* -4.30#    0.43  -1.22   0.62   0.24   0.65  -0.24  -0.18
    1972-73 SE OF DP                  0.72   0.66   0.75   1.00     0.55   0.51     0.16   0.81   1.21     0.61   1.06   0.82   0.97   0.47     2.02   1.23   1.39   1.07   1.10   0.87   0.60

RESPONSE: 105    AGE: 13        TEXT:  Climate; weather.

    1972-73 P-VALUE          1.39     2.03   0.72   1.93   0.86     1.72   1.04     1.56   0.61   0.66     0.00   1.81   0.71   2.39   0.49     0.53   0.65   3.03   2.78   1.19   1.06   0.99
    1972-73 SE OF P-VAL      0.32     0.71   0.41   0.90   0.37     0.52   0.34     0.33   0.62   0.68     0.00   1.80   0.37   0.58   0.35     0.58   0.65   1.23   2.02   0.64   0.52   0.39
    1972-73 DELTA-P                   0.64  -0.67   0.54  -0.53     0.33  -0.35     0.17* -0.78  -0.73    -1.39#  0.42  -0.68   1.00# -0.90    -0.86  -0.74   1.64   1.39  -0.20  -0.33  -0.40
    1972-73 SE OF DP                  0.60   0.44   0.70   0.41     0.30   0.32     0.08   0.48   0.70     0.32   1.62   0.39   0.37   0.46     0.59   0.69   1.12   1.83   0.62   0.56   0.39

                 AGE: 17

    1972-73 P-VALUE          7.17     6.94   5.51   7.23   8.75     9.71   4.57     8.19   0.94   4.63     0.64   3.82   6.08   9.88   3.49     5.48   1.50   7.55   9.36   6.42  10.79   6.85
    1972-73 SE OF P-VAL      0.67     1.17   0.78   1.57   1.42     1.23   0.61     0.74   0.40   3.14     0.46   1.46   1.01   1.06   1.06     1.13   0.54   1.74   3.38   1.54   1.73   0.89
    1972-73 DELTA-P                  -0.23  -1.66   0.06   1.58     2.54# -2.60#    1.02# -6.23# -2.54    -6.53# -3.35* -1.09   2.71# -3.60*   -1.69  -5.67#  0.38   2.19  -0.75   3.62* -0.32
    1972-73 SE OF DP                  1.03   0.91   1.20   1.26     0.70   0.73     0.22   0.83   2.04     0.80   1.35   0.84   0.72   1.65     1.31   0.77   1.63   3.10   1.33   1.54   0.82

                 AGE: Ad

    1972-73 P-VALUE         10.11    11.60   8.42   9.68  10.61    12.95   7.47    11.36   3.55   5.40     5.42   7.82   9.69  17.77   4.06     9.04   3.34  17.18  10.95   9.10   9.41  10.01
    1972-73 SE OF P-VAL      0.78     1.88   1.40   1.51   1.45     1.19   0.89     0.88   2.04   1.57     1.15   1.50   1.38   2.14   2.04     2.86   1.57   3.13   2.95   1.87   3.10   1.11
    1972-73 DELTA-P                   1.49  -1.69  -0.43   0.50     2.84# -2.64#    1.25# -6.56# -6.71#   -4.69# -2.29  -0.42   7.66# -6.05#   -1.07  -6.77#  7.07*  0.84  -1.01  -0.70  -0.10
    1972-73 SE OF DP                  1.58   1.32   1.25   1.27     0.75   0.69     0.27   2.10   1.60     1.19   1.39   1.22   1.74   2.06     2.73   1.80   2.85   2.93   1.90   2.83   0.93

RESPONSE: 106    AGE: 13        TEXT:  Terrain, water table, etc.

    1972-73 P-VALUE          2.83     2.62   2.31   2.01   4.32     2.68   2.99     3.21   0.40   2.29     0.46   1.77   2.10   4.16   2.34     2.61   0.81   5.41   0.36   2.84   2.63   3.15
    1972-73 SE OF P-VAL      0.40     0.66   0.59   0.62   1.14     0.58   0.64     0.48   0.29   1.09     0.46   0.92   0.60   0.73   0.97     1.83   0.58   1.58   0.27   1.01   0.95   0.56
    1972-73 DELTA-P                  -0.21  -0.52  -0.82   1.49    -0.15   0.16     0.38# -2.43# -0.54    -2.37# -1.86  -0.73   1.33# -0.49    -0.22  -2.02#  2.58  -2.47#  0.01  -0.20   0.32
    1972-73 SE OF DP                  0.62   0.59   0.59   0.88     0.45   0.48     0.13   0.49   1.10     0.66   0.89   0.57   0.46   0.90     1.67   0.75   1.42   0.47   0.92   0.91   0.52

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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                              NATION |            REGION              |     SEX       |        RACE          |            PARENTAL EDUCATION            |             SIZE-AND-TYPE OF COMMUNITY
                                     | NORTH  SOUTH                   |               |                OTHER |         SOME    GRAD    POST             |EXTREME   LOW    HIGH    MAIN   URBAN  MEDIUM   SMALL
                             ________|_EAST___EAST_CENTRAL____WEST_|___MALE__FEMALE_|_WHITE___BLACK___RACE_|_NO_HS____HS______HS______HS_UNKNOWN_|_RURAL__METRO___METRO_BIG_CTY_FRINGE____CITY__PLACES

EXERCISE: 205014-234   RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Second physical factor given.

RESPONSE: 106     AGE: 17        TEXT:  Terrain, water table, etc.

    1972-73 P-VALUE             3.96     5.13    3.71    2.86    4.21     3.06    4.89     4.49    1.07    1.82     1.67    4.18    4.92    3.84    1.77     4.18    1.67    3.88    5.66    5.36    4.46    3.06
    1972-73 SE OF P-VAL         0.44     0.70    1.05    0.88    0.92     0.51    0.69     0.50    0.73    1.06     1.28    1.57    1.04    0.55    0.94     2.31    0.60    1.16    1.46    1.07    1.16    0.69
    1972-73 DELTA-P                      1.17   -0.25   -1.10    0.25   -0.90*   0.93*    0.53#  -2.89#  -2.14    -2.29    0.22    0.96   -0.12   -2.19*    0.22   -2.39#  -0.08    1.70    1.40    0.50   -0.90
    1972-73 SE OF DP                     0.64    0.93    0.71    0.80     0.41    0.43     0.16    0.76    1.09     1.24    1.43    0.82    0.51    0.98     2.12    0.64    1.12    1.41    1.00    1.05    0.63

                  AGE: A4

    1972-73 P-VALUE             2.69     3.03    3.07    1.64    3.23     3.25    2.17     2.61    0.92    7.27     1.53    2.24    3.06    3.87    1.57     3.98    0.57    4.85    2.65    3.32    2.24    2.17
    1972-73 SE OF P-VAL         0.31     0.58    0.99    0.29    0.61     0.68    0.50     0.30    0.91    3.71     0.78    0.90    0.66    0.77    1.56     1.78    0.39    1.18    1.12    1.14    0.93    0.48
    1972-73 DELTA-P                      0.34    0.38   -1.05#   0.54     0.56   -0.52    -0.08   -1.77*   4.58    -1.16   -0.45    0.37    1.18   -1.12     1.29   -2.12#   2.16   -0.04    0.63   -0.45   -0.52
    1972-73 SE OF DP                     0.53    0.81    0.36    0.53     0.53    0.49     0.24    0.86    3.56     0.63    0.84    0.64    0.72    1.60     1.63    0.46    1.13    1.11    1.12    0.91    0.40

RESPONSE: 107     AGE: 13        TEXT:  Physical factors resulting from buildings.

    1972-73 P-VALUE             2.85     5.32    2.00    2.79    1.38     3.72    1.90     3.33    0.37    1.16     0.28    2.06    2.74    3.90    1.79     2.10    1.27    5.43    1.60    2.26    3.68    2.77
    1972-73 SE OF P-VAL         0.39     1.14    0.71    0.70    0.31     0.67    0.41     0.47    0.26    0.78     0.28    1.29    0.66    0.77    0.81     1.00    0.89    1.97    0.67    0.72    1.02    0.69
    1972-73 DELTA-P                      2.47#  -0.85   -0.06   -1.47#    0.87*  -0.95*    0.48#  -2.48#  -1.69*   -2.57#  -0.79   -0.11    1.05   -1.06    -0.75   -1.58    2.58   -1.25   -0.59    0.83   -0.08
    1972-73 SE OF DP                     0.89    0.66    0.62    0.44     0.38    0.42     0.11    0.45    0.82     0.47    1.23    0.60    0.57    0.76     0.95    0.95    1.79    0.67    0.77    0.98    0.55

                  AGE: 17

    1972-73 P-VALUE             6.62     4.71    3.99    8.77    8.26     6.96    6.27     6.99    3.63    7.52     2.39    8.86    6.22    7.52    2.33     7.28    5.03    9.18    6.89    5.45    6.03    6.66
    1972-73 SE OF P-VAL         0.57     1.20    0.73    1.18    1.13     0.88    0.77     0.64    1.23    2.62     1.21    2.43    0.88    0.99    1.25     2.63    2.39    2.07    1.37    1.33    1.19    1.18
    1972-73 DELTA-P                     -1.91   -2.63#   2.15*   1.64     0.34   -0.35     0.37   -2.99#   0.90    -4.23#   2.24   -0.40    0.90   -4.29#    0.66   -1.59    2.56    0.27   -1.17   -0.59    0.04
    1972-73 SE OF DP                     0.99    0.80    0.94    1.01     0.59    0.60     0.24    1.18    2.58     1.23    2.35    0.84    0.63    1.37     2.67    2.26    1.82    1.40    1.23    1.07    1.10

                  AGE: A4

    1972-73 P-VALUE             5.99     6.75    7.58    6.13    3.81     6.72    5.31     6.75    1.22    3.32     4.79    5.63    5.74    8.11    3.37     9.06    4.35    8.24    5.32    4.42    4.91    5.90
    1972-73 SE OF P-VAL         0.55     1.02    1.07    1.25    0.87     0.87    0.72     0.62    0.74    2.20     0.89    1.42    0.86    1.37    0.51     2.60    1.40    2.18    2.14    1.70    0.99    0.73
    1972-73 DELTA-P                      0.76    1.59    0.14   -2.18#    0.73   -0.68     0.76#  -4.77#  -2.67    -1.20   -0.36   -0.25    2.12   -2.62#    3.07   -1.64    2.25   -0.67   -1.57   -1.08   -0.09
    1972-73 SE OF DP                     0.92    0.97    0.98    0.81     0.59    0.55     0.20    0.77    2.15     0.77    1.32    0.76    1.13    0.68     2.35    1.42    2.05    1.98    1.69    0.94    0.66

RESPONSE: 108     AGE: 13        TEXT:  Pollution (as it would affect choice of types of plantings).

    1972-73 P-VALUE             0.43     0.39    0.39    0.59    0.34     0.31    0.56     0.52    0.00    0.00     0.00    0.42    0.53    0.40    0.50     0.00    0.00    0.31    1.54    0.15    1.68    0.00
    1972-73 SE OF P-VAL         0.14     0.23    0.37    0.31    0.20     0.19    0.22     0.17    0.00    0.00     0.00    0.41    0.25    0.25    0.39     0.00    0.00    0.31    0.69    0.15    0.87    0.00
    1972-73 DELTA-P                     -0.04   -0.04    0.16   -0.09    -0.12    0.13     0.09#  -0.43#  -0.43#   -0.43#  -0.01    0.10   -0.03    0.07    -0.43#  -0.43#  -0.12    1.11   -0.28    1.25   -0.43#
    1972-73 SE OF DP                     0.22    0.30    0.26    0.20     0.14    0.15     0.03    0.14    0.14     0.14    0.41    0.21    0.19    0.36     0.14    0.14    0.30    0.63    0.19    0.77    0.14

                  AGE: 17

    1972-73 P-VALUE             0.52     0.69    0.13    0.22    1.04     0.45    0.60     0.62    0.00    0.00     0.00    0.00    0.26    0.93    0.00     0.00    0.00    2.10    0.28    0.00    0.81    0.36
    1972-73 SE OF P-VAL         0.15     0.18    0.13    0.21    0.54     0.25    0.18     0.18    0.00    0.00     0.00    0.00    0.21    0.38    0.00     0.00    0.00    1.02    0.27    0.00    0.50    0.30
    1972-73 DELTA-P                      0.17   -0.39*  -0.30    0.52    -0.07    0.08     0.10#  -0.52#  -0.52#   -0.52#  -0.52#  -0.26    0.41   -0.52#   -0.52#  -0.52#   1.58   -0.24   -0.52#   0.29   -0.16
    1972-73 SE OF DP                     0.20    0.18    0.20    0.42     0.16    0.16     0.03    0.15    0.15     0.15    0.15    0.29    0.24    0.15     0.15    0.15    0.93    0.28    0.15    0.52    0.25

                  AGE: A4

    1972-73 P-VALUE             0.84     0.41    0.80    1.32    0.73     1.05    0.65     1.00    0.00    0.00     0.38    0.45    0.71    1.64    1.52     0.96    0.00    0.50    0.88    1.57    2.38    0.44
    1972-73 SE OF P-VAL         0.22     0.29    0.50    0.45    0.48     0.35    0.29     0.26    0.00    0.00     0.26    0.32    0.39    0.65    1.42     1.04    0.00    0.48    0.64    0.86    0.87    0.23
    1972-73 DELTA-P                     -0.43   -0.04    0.48   -0.11     0.21   -0.19     0.16#  -0.84#  -0.84#   -0.46   -0.39   -0.13    0.80    0.68     0.12   -0.84#  -0.34    0.04    0.73    1.54   -0.40
    1972-73 SE OF DP                     0.30    0.44    0.36    0.40     0.24    0.22     0.04    0.22    0.22     0.24    0.34    0.36    0.51    1.41     0.97    0.22    0.47    0.64    0.79    0.77    0.21

RESPONSE: 109     AGE: 13        TEXT:  Natural features already present.

    1972-73 P-VALUE             1.63     1.05    2.41    1.95    1.13     1.72    1.53     1.91    0.56    0.00     0.47    1.99    1.20    2.25    1.18     0.28    0.00    2.40    1.78    3.66    0.89    1.43
    1972-73 SE OF P-VAL         0.32     0.47    0.55    0.87    0.58     0.44    0.38     0.38    0.45    0.00     0.46    1.17    0.41    0.53    0.66     0.21    0.00    1.20    0.99    1.62    0.69    0.43
    1972-73 DELTA-P                     -0.58    0.78    0.32   -0.50     0.09   -0.10     0.28#  -1.07*  -1.63#   -1.16*   0.36   -0.43    0.62   -0.45    -1.35#  -1.63#   0.77    0.15    2.03   -0.74   -0.20
    1972-73 SE OF DP                     0.47    0.52    0.68    0.52     0.25    0.27     0.08    0.50    0.32     0.52    1.05    0.39    0.35    0.55     0.37    0.32    1.13    0.92    1.42    0.74    0.46

                  AGE: 17

    1972-73 P-VALUE             1.47     2.53    1.69    1.07    0.55     2.25    0.67     1.49    1.35    1.50     2.90    2.12    1.04    1.22    3.27     1.04    1.17    0.87    1.88    1.02    0.00    2.80
    1972-73 SE OF P-VAL         0.29     0.85    0.54    0.38    0.29     0.53    0.21     0.32    0.82    0.93     2.29    0.97    0.42    0.34    1.23     0.53    1.09    0.64    0.79    0.60    0.00    0.67
    1972-73 DELTA-P                      1.06    0.22   -0.40   -0.92*    0.78#  -0.80#    0.02   -0.12    0.03     1.43    0.65   -0.43   -0.25    1.80    -0.43   -0.30   -0.60    0.41   -0.45   -1.47#   1.33#
    1972-73 SE OF DP                     0.63    0.51    0.38    0.37     0.28    0.30     0.11    0.76    0.90     2.16    0.95    0.33    0.28    1.18     0.58    1.03    0.62    0.78    0.58    0.29    0.49

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Second physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 109 AGE: Ad TEXT: Natural features already present.																						
1972-73 P-VALUE	0.88	2.17	0.78	0.35	0.35	0.83	0.93	1.00	0.34	0.00	1.10	0.81	0.82	0.90	0.00	0.53	0.00	0.43	3.03	0.61	0.89	0.92
1972-73 SE OF P-VAL	0.23	0.75	0.48	0.26	0.21	0.41	0.32	0.27	0.34	0.00	0.71	0.62	0.37	0.50	0.00	0.51	0.00	0.43	1.59	0.44	0.62	0.37
1972-73 DELTA-P		1.29*	-0.10	-0.53	-0.53	-0.05	0.05	0.12	-0.54	-0.88#	0.22	-0.07	-0.06	0.02	-0.88#	-0.35	-0.88#	-0.45	2.15	-0.27	0.01	0.04
1972-73 SE OF DP		0.58	0.43	0.28	0.27	0.30	0.27	0.06	0.38	0.23	0.61	0.56	0.34	0.49	0.23	0.52	0.23	0.41	1.46	0.44	0.59	0.30
RESPONSE: 110 AGE: 13 TEXT: Other Acceptable Responses.																						
1972-73 P-VALUE	1.55	2.65	1.89	1.46	0.31	1.34	1.78	1.84	0.41	0.00	0.00	1.59	1.57	2.25	0.29	0.54	0.00	2.91	0.45	1.35	1.52	2.03
1972-73 SE OF P-VAL	0.30	0.77	0.63	0.69	0.20	0.40	0.34	0.37	0.41	0.00	0.00	1.18	0.49	0.59	0.21	0.33	0.00	1.19	0.45	0.59	0.88	0.64
1972-73 DELTA-P		1.10	0.34	-0.09	-1.24#	-0.21	0.23	0.29#	-1.14*	-1.55#	-1.55*	0.04	0.02	0.70	-1.26#	-1.01#	-1.55*	1.36	-1.10*	-0.20	-0.03	0.54
1972-73 SE OF DP		0.64	0.55	0.56	0.33	0.21	0.23	0.09	0.48	0.30	0.30	1.07	0.46	0.35	0.35	0.35	0.30	1.09	0.49	0.57	0.85	0.50
AGE: 17																						
1972-73 P-VALUE	1.56	1.91	1.52	0.98	1.93	1.86	1.25	1.71	1.10	0.00	1.34	0.11	1.79	1.72	1.57	1.05	0.50	1.08	1.00	2.49	1.73	1.79
1972-73 SE OF P-VAL	0.30	0.75	0.62	0.38	0.65	0.48	0.34	0.36	0.54	0.00	0.87	0.10	0.52	0.47	1.18	0.77	0.36	0.57	0.62	0.99	0.62	0.58
1972-73 DELTA-P		0.35	-0.04	-0.58	0.37	0.30	-0.31	0.15	-0.46	-1.56#	-0.22	-1.45#	0.23	0.16	0.01	-0.51	-1.06#	-0.48	-0.56	0.93	0.17	0.23
1972-73 SE OF DP		0.59	0.57	0.39	0.56	0.28	0.29	0.09	0.56	0.30	0.83	0.32	0.40	0.31	1.18	0.78	0.36	0.58	0.62	0.85	0.58	0.45
AGE: Ad																						
1972-73 P-VALUE	0.58	0.97	0.23	0.42	0.69	0.24	0.89	0.69	0.00	0.00	0.47	0.69	0.39	0.93	0.00	0.57	0.00	1.45	0.83	0.26	0.72	0.44
1972-73 SE OF P-VAL	0.17	0.42	0.22	0.25	0.38	0.16	0.28	0.19	0.00	0.00	0.33	0.45	0.28	0.42	0.00	0.55	0.00	0.79	0.83	0.25	0.53	0.22
1972-73 DELTA-P		0.39	-0.35	-0.16	0.11	-0.34*	0.31	0.11#	-0.58#	-0.58#	-0.11	0.11	-0.19	0.35	-0.58#	-0.01	-0.58#	0.87	0.25	-0.32	0.14	-0.14
1972-73 SE OF DP		0.34	0.24	0.23	0.31	0.17	0.16	0.03	0.17	0.17	0.29	0.40	0.26	0.36	0.17	0.55	0.17	0.70	0.77	0.28	0.49	0.21
RESPONSE: 02 AGE: 13 TEXT: All Unacceptable Responses.																						
1972-73 P-VALUE	39.68	34.94	40.42	44.83	38.25	36.90	42.70	40.33	36.95	36.35	40.43	38.56	42.39	38.23	38.23	39.64	33.88	33.77	43.66	39.21	39.04	42.09
1972-73 SE OF P-VAL	1.46	2.41	3.63	3.35	2.02	1.94	1.81	1.65	3.80	3.30	6.83	4.32	2.11	2.10	2.57	2.42	3.50	3.39	4.47	3.33	4.08	2.48
1972-73 DELTA-P		-4.74*	0.74	5.15	-1.43	-2.78*	3.02*	0.65	-2.73	-3.33	0.75	-1.12	2.71	-1.45	-1.45	-0.04	-5.80	-5.91	3.98	-0.47	-0.64	2.41
1972-73 SE OF DP		2.26	3.01	2.75	2.02	1.19	1.26	0.52	3.62	3.29	6.39	4.47	1.64	1.32	2.34	2.42	3.68	3.23	4.18	2.99	3.71	1.75
AGE: 17																						
1972-73 P-VALUE	30.62	28.27	31.56	32.45	30.24	29.60	31.67	28.57	40.87	41.30	43.45	39.26	34.03	24.77	31.89	38.44	36.72	25.01	33.43	30.95	28.56	29.06
1972-73 SE OF P-VAL	1.18	1.57	2.69	2.89	1.94	1.84	1.48	1.27	4.11	5.80	5.16	4.35	1.86	1.55	3.27	4.62	3.91	2.10	2.48	3.34	3.12	2.35
1972-73 DELTA-P		-2.35	0.94	1.83	-0.38	-1.02	1.05	-2.05#	10.25#	10.68	12.83#	8.64*	3.41*	-5.85#	1.26	7.82	6.10	-5.61*	2.81	0.33	-2.06	-1.56
1972-73 SE OF DP		1.59	2.43	2.17	1.86	1.18	1.19	0.65	3.76	5.74	5.11	3.73	1.52	1.32	3.14	4.50	3.74	2.39	2.45	2.96	2.87	1.89
AGE: Ad																						
1972-73 P-VALUE	20.80	18.20	19.96	22.14	22.40	20.53	21.05	19.52	28.35	26.10	23.24	24.84	22.41	18.12	17.49	21.67	26.20	19.79	21.15	24.93	24.05	17.42
1972-73 SE OF P-VAL	1.06	1.88	1.57	2.53	1.97	1.18	1.59	1.25	2.97	4.49	1.94	3.47	1.99	1.55	4.92	5.27	3.04	2.79	4.19	3.63	4.41	1.34
1972-73 DELTA-P		-2.60	-0.84	1.34	1.60	-0.27	0.25	-1.28#	7.55*	5.30	2.44	4.04	1.61	-6.68#	-3.31	0.87	5.40	-1.01	0.35	4.13	-3.25	-3.38#
1972-73 SE OF DP		1.69	1.60	1.96	1.73	0.95	0.89	0.44	3.14	4.33	1.51	2.97	1.57	1.83	5.02	5.04	3.08	2.58	4.03	3.42	3.95	1.31
RESPONSE: 250 AGE: 13 TEXT: Procedure to follow; or items to put in the parks.																						
1972-73 P-VALUE	9.57	8.14	8.23	10.06	11.64	10.06	9.04	9.59	9.82	8.91	8.29	7.90	8.98	9.72	11.83	8.57	13.53	10.77	10.59	9.07	10.86	8.17
1972-73 SE OF P-VAL	0.66	0.98	1.38	1.32	1.51	0.91	0.91	0.75	1.80	1.26	2.14	2.02	1.19	0.91	1.63	2.22	3.57	1.97	2.00	2.03	2.34	1.02
1972-73 DELTA-P		-1.43	-1.34	0.49	2.07	0.49	-0.53	0.02	0.25	-0.66	-1.28	-1.67	-0.59	0.15	2.26	-1.00	3.96	1.20	1.02	-0.50	1.29	-1.40
1972-73 SE OF DP		0.96	1.21	1.13	1.23	0.60	0.65	0.25	1.73	1.28	1.96	1.97	0.94	0.70	1.48	2.07	3.46	1.93	1.89	1.96	2.15	0.88
AGE: 17																						
1972-73 P-VALUE	5.83	3.36	6.97	7.00	6.29	6.80	4.84	5.33	7.49	10.42	10.20	6.54	5.26	5.63	4.80	8.13	7.18	1.81	7.13	4.80	6.12	6.56
1972-73 SE OF P-VAL	0.57	1.03	0.84	1.18	1.19	0.90	0.62	0.66	1.24	2.81	3.26	1.87	0.81	0.85	1.71	1.52	1.98	0.67	1.82	1.39	0.99	1.22
1972-73 DELTA-P		-2.47#	1.14	1.17	0.46	0.97	-0.99	-0.50	1.66	4.59	4.37	0.71	-0.57	-0.20	-1.03	2.30	1.35	-4.42#	1.30	-1.03	0.29	0.73
1972-73 SE OF DP		0.87	0.87	0.94	1.04	0.53	0.53	0.27	1.22	2.81	3.24	1.69	0.66	0.60	1.65	1.51	1.92	0.76	1.72	1.28	0.94	0.94
AGE: Ad																						
1972-73 P-VALUE	3.24	2.23	4.23	2.90	3.74	3.17	3.30	3.28	2.53	3.94	4.67	5.03	1.90	2.06	4.44	5.99	2.60	1.93	2.51	4.36	6.54	2.05
1972-73 SE OF P-VAL	0.46	0.77	0.93	0.78	1.13	0.68	0.63	0.52	1.02	2.30	1.18	1.34	0.54	0.67	2.66	2.54	0.94	1.09	1.57	1.74	1.55	0.52
1972-73 DELTA-P		-1.01	0.99	-0.34	0.50	-0.07	0.06	0.04	-0.71	0.70	1.43	1.79	-1.34#	-1.18	1.20	2.75	-0.64	-1.31	-0.73	1.12	3.30*	-1.19*
1972-73 SE OF DP		0.72	0.84	0.69	0.91	0.48	0.45	0.18	1.10	2.16	0.94	1.19	0.48	0.68	2.65	2.39	1.00	1.02	1.47	1.59	1.40	0.53

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Second physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 251 AGE: 13 TEXT: "People factors" (location of sidewalks, street buildings and recreational facilities in and around the park).																						
1972-73 P-VALUE	12.76	10.52	12.51	16.92	10.90	11.24	14.41	12.58	14.40	12.27	14.61	11.87	13.92	12.59	10.44	11.73	9.74	10.89	17.26	13.11	15.06	11.94
1972-73 SE OF P-VAL	0.97	1.63	2.03	2.49	1.25	1.20	1.25	0.99	3.26	2.31	5.21	2.55	1.32	1.47	1.61	2.64	2.68	2.49	3.87	2.21	2.05	1.31
1972-73 DELTA-P		-2.24	-0.25	4.16*	-1.86	-1.52*	1.65*	-0.18	1.64	-0.49	1.85	-0.89	1.16	-0.17	-2.32	-1.03	-3.02	-1.87	4.50	0.35	2.30	-0.82
1972-73 SE OF DP		1.52	1.76	1.98	1.29	0.74	0.79	0.40	2.95	2.19	4.88	2.34	1.02	1.06	1.63	2.34	2.56	2.27	3.56	1.99	1.96	1.05
AGE: 17																						
1972-73 P-VALUE	8.86	9.45	7.51	10.38	7.28	7.66	10.09	8.24	10.36	15.87	12.63	14.76	10.20	5.88	12.15	12.63	12.34	6.08	10.41	11.15	8.76	6.38
1972-73 SE OF P-VAL	0.87	1.68	1.40	2.12	1.04	1.19	1.06	0.98	2.01	4.22	2.95	3.00	1.54	0.98	2.61	1.75	1.93	1.60	1.94	3.02	1.82	1.46
1972-73 DELTA-P		0.59	-1.35	1.52	-1.58	-1.20	1.23	-0.62	1.50	7.01	3.77	5.90*	1.34	-2.98#	3.29	3.77*	3.48	-2.78	1.55	2.29	-0.10	-2.48*
1972-73 SE OF DP		1.43	1.39	1.59	1.16	0.72	0.74	0.35	1.98	4.06	2.83	2.44	1.07	0.96	2.52	1.85	1.91	1.57	1.81	2.52	1.77	1.24
AGE: Ad																						
1972-73 P-VALUE	7.71	6.37	6.21	8.22	9.62	6.69	8.66	6.55	14.98	11.76	8.48	9.03	9.07	4.85	4.29	6.69	13.40	6.61	11.86	11.20	5.56	5.64
1972-73 SE OF P-VAL	0.64	1.23	0.91	1.14	1.59	0.89	0.85	0.73	1.95	2.98	0.98	1.85	1.53	0.95	2.42	3.38	2.82	1.76	3.71	2.43	1.40	0.77
1972-73 DELTA-P		-1.34	-1.50	0.51	1.91	-1.02	0.95	-1.16#	7.27#	4.05	0.77	1.32	1.36	-2.86#	-3.42	-1.02	5.69	-1.10	4.15	3.57	-2.15	-2.07#
1972-73 SE OF DP		1.09	0.94	0.98	1.28	0.60	0.58	0.31	1.93	3.00	1.00	1.65	1.15	0.95	2.56	3.19	2.90	1.53	3.59	2.24	1.38	0.75
RESPONSE: 252 AGE: 13 TEXT: Other Unacceptable Responses.																						
1972-73 P-VALUE	17.35	16.27	19.68	17.86	15.71	15.60	19.25	18.17	12.73	15.16	17.53	18.79	19.50	15.92	15.97	19.35	10.61	12.11	15.81	17.02	13.12	21.99
1972-73 SE OF P-VAL	0.88	1.82	1.38	2.18	1.58	1.26	1.08	1.03	1.88	3.77	3.51	4.66	1.48	1.57	1.84	2.91	3.39	2.83	2.17	2.10	2.09	1.82
1972-73 DELTA-P		-1.08	2.33	0.51	-1.64	-1.75*	1.90*	0.82*	-4.62*	-2.19	0.18	1.44	2.15	-1.43	-1.38	2.00	-6.74	-5.24	-1.54	-0.33	-4.23*	4.64#
1972-73 SE OF DP		1.58	1.33	1.72	1.41	0.76	0.82	0.39	1.99	3.61	3.26	4.82	1.12	1.20	1.75	3.01	3.41	2.71	2.08	1.95	1.96	1.48
AGE: 17																						
1972-73 P-VALUE	15.93	15.46	17.08	15.07	16.66	15.14	16.74	14.99	23.03	15.01	20.62	17.95	18.58	13.26	14.92	17.68	17.20	17.52	15.89	15.00	13.69	16.12
1972-73 SE OF P-VAL	0.88	2.15	1.73	1.56	1.35	1.45	1.14	0.98	2.93	2.52	6.40	2.96	1.58	1.25	3.05	3.74	2.64	2.37	1.75	2.47	1.60	1.87
1972-73 DELTA-P		-0.47	1.15	-0.86	0.73	-0.79	0.81	-0.94*	7.10#	-0.92	4.69	2.02	2.65	-2.67#	-1.01	1.75	1.27	1.59	-0.04	-0.93	-2.24	0.19
1972-73 SE OF DP		1.70	1.63	1.32	1.32	0.97	0.97	0.39	2.78	2.55	6.10	2.96	1.37	1.03	3.03	3.54	2.50	2.27	1.82	2.28	1.59	1.47
AGE: Ad																						
1972-73 P-VALUE	9.86	9.61	9.53	11.03	9.05	10.68	9.10	9.70	10.85	10.41	10.10	10.79	11.44	7.21	8.76	9.00	10.20	11.26	6.79	9.30	11.95	9.74
1972-73 SE OF P-VAL	0.84	1.57	1.54	2.07	1.24	1.15	1.01	0.93	1.88	4.12	1.26	2.45	1.44	1.12	3.63	2.64	2.34	3.16	2.07	2.43	2.74	0.95
1972-73 DELTA-P		-0.25	-0.33	1.17	-0.81	0.82	-0.76	-0.16	0.99	0.55	0.24	0.93	1.58	-2.65*	-1.10	-0.86	0.34	1.40	-3.07	-0.56	2.09	-0.12
1972-73 SE OF DP		1.41	1.44	1.59	1.21	0.70	0.65	0.33	1.91	3.92	1.01	2.06	1.10	1.13	3.60	2.38	2.47	2.89	1.91	2.29	2.46	0.80
RESPONSE: 199 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	18.95	18.68	21.05	17.57	18.65	17.82	20.18	16.86	30.67	24.80	31.55	28.76	17.29	13.16	27.42	19.17	26.89	12.42	18.78	19.59	16.81	20.37
1972-73 SE OF P-VAL	1.13	2.16	2.70	1.78	2.42	1.21	1.60	1.25	3.71	3.45	4.18	3.35	1.90	1.18	2.85	3.63	7.05	2.44	3.11	2.82	1.32	2.24
1972-73 DELTA-P		-0.27	2.10	-1.38	-0.30	-1.13	1.23	-2.09#	11.72#	5.85	12.60#	9.81#	-1.66	-5.79#	8.47#	0.22	7.94	-6.53#	-0.17	0.64	-2.14	1.42
1972-73 SE OF DP		1.92	2.27	1.68	2.03	0.79	0.87	0.58	3.44	3.39	3.85	2.96	1.56	1.07	2.40	3.27	6.80	2.51	2.95	2.68	1.73	1.68
AGE: 17																						
1972-73 P-VALUE	6.83	5.04	10.99	5.45	7.30	5.65	8.04	5.68	15.54	5.67	15.95	9.33	5.83	4.54	17.13	6.27	13.83	3.20	7.48	6.94	6.14	6.66
1972-73 SE OF P-VAL	0.60	1.10	1.45	0.75	1.46	0.76	0.97	0.57	2.25	1.54	3.23	1.91	1.17	0.69	2.79	1.57	2.21	1.56	1.53	1.50	1.65	1.34
1972-73 DELTA-P		-1.79	4.16#	-1.38	0.47	-1.18	1.21	-1.15#	8.71#	-1.16	9.12#	2.50	-1.00	-2.29#	10.30#	-0.56	7.00#	-3.63#	0.65	0.11	-0.69	-0.17
1972-73 SE OF DP		0.93	1.27	0.76	1.23	0.61	0.64	0.34	2.07	1.60	3.10	1.82	0.91	0.58	2.69	1.72	2.16	1.43	1.56	1.35	1.53	1.12
AGE: Ad																						
1972-73 P-VALUE	19.07	18.27	23.13	21.37	13.88	16.06	21.87	15.63	38.67	34.63	33.78	21.50	12.76	6.27	47.27	21.17	30.19	5.25	19.42	19.01	19.78	20.11
1972-73 SE OF P-VAL	1.45	2.89	2.63	3.47	2.30	1.74	1.84	1.39	4.30	6.87	3.01	3.61	1.51	1.31	6.81	3.70	4.47	1.65	4.08	5.24	3.66	2.09
1972-73 DELTA-P		-0.80	4.06	2.30	-5.19*	-3.01#	2.80#	-3.44#	19.60#	15.56*	14.71#	2.43	-6.31#	-12.80#	28.20#	2.10	11.12#	-13.82#	0.35	-0.06	0.71	1.04
1972-73 SE OF DP		2.55	2.50	2.69	2.15	1.08	1.00	0.71	4.18	6.29	2.09	3.14	1.54	1.45	7.06	3.70	4.22	2.02	3.76	4.60	3.30	1.63

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 BP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Third physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	27.03	26.31	28.83	22.05	31.04	30.29	23.49	24.43	38.80	38.88	31.42	22.49	28.88	24.34	30.85	30.90	39.08	27.22	30.59	25.40	29.71	22.57
1972-73 SE OF P-VAL	1.20	2.38	2.28	1.92	2.81	1.61	1.66	1.27	3.86	4.77	3.26	2.86	1.79	1.48	3.09	3.80	6.06	4.00	2.83	3.25	2.95	2.32
1972-73 DELTA[illegible]		-0.72	1.80	-4.98#	4.01	3.26#	-3.54#	-2.60#	11.77#	11.85#	4.39	-4.54	1.85	-2.69*	3.82	3.87	12.05*	0.19	3.56	-1.63	1.68	-4.46*
1972-73 SE OF DP		2.09	2.06	1.76	2.28	1.10	1.11	0.58	3.67	4.58	2.91	2.78	1.37	1.11	2.60	3.69	5.82	3.67	2.94	3.03	2.70	2.04
AGE: 17																						
1972-73 P-VALUE	30.93	29.65	34.86	29.13	31.53	32.20	29.63	28.40	43.44	44.42	35.43	32.73	31.64	29.07	34.50	30.28	45.05	27.57	32.67	27.05	29.23	30.99
1972-73 SE OF P-VAL	1.45	2.75	1.98	3.03	3.19	1.88	1.72	1.49	2.24	4.47	5.33	3.12	2.51	1.54	4.35	6.20	4.96	4.54	3.53	3.46	3.85	2.00
1972-73 DELTA-P		-1.28	3.93	-1.80	0.60	1.27	-1.30	-2.53#	12.51#	13.49#	4.50	1.80	0.71	-1.86	3.57	-0.65	14.12#	-3.36	1.74	-3.88	-1.70	0.06
1972-73 SE OF DP		2.34	2.13	2.39	2.76	1.06	1.08	0.50	2.00	4.85	5.06	3.04	1.63	0.99	4.17	5.81	5.03	3.97	3.52	2.95	3.56	2.00
AGE: Ad																						
1972-73 P-VALUE	22.37	21.51	19.82	24.98	22.34	20.08	24.50	21.95	24.54	24.67	21.85	28.05	23.95	16.49	27.79	17.76	30.77	21.18	21.19	20.64	19.70	23.37
1972-73 SE OF P-VAL	1.39	2.69	2.79	2.40	3.06	1.79	1.58	1.43	3.55	5.79	2.11	2.82	2.44	2.24	6.85	4.37	3.49	3.63	5.51	3.93	3.41	2.10
1972-73 DELTA-P		-0.86	-2.55	2.61	-0.03	-2.29*	2.13*	-0.42	2.17	2.30	-0.52	5.68*	1.58	-5.88#	5.42	-4.61	8.40#	-1.19	-1.18	-1.73	-2.67	1.00
1972-73 SE OF DP		2.38	2.52	2.07	2.54	0.99	0.94	0.51	3.27	5.40	1.69	2.62	1.77	1.95	6.62	4.18	3.32	3.54	5.14	3.42	3.29	1.65
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	17.04	23.83	14.53	14.51	15.56	17.34	16.71	19.55	3.69	8.93	2.41	13.26	15.19	24.42	9.37	12.54	7.44	29.60	11.55	16.40	19.85	16.57
1972-73 SE OF P-VAL	0.99	2.34	1.44	2.01	1.79	1.29	1.43	1.20	1.04	2.74	1.06	2.40	1.20	1.55	1.83	3.64	2.24	3.91	1.87	2.40	2.86	1.57
1972-73 DELTA-P		6.79#	-2.51	-2.53	-1.48	0.30	-0.33	2.51#	-13.35#	-8.11#	-14.63#	-3.78	-1.85	7.38#	-7.67#	-4.50	-9.60#	12.56#	-5.49#	-0.64	2.81	-0.47
1972-73 SE OF DP		1.92	1.47	1.70	1.58	0.89	0.97	0.43	1.44	2.83	1.36	2.20	0.98	1.06	1.71	3.44	2.55	3.57	1.75	2.40	2.53	1.29
AGE: 17																						
1972-73 P-VALUE	33.91	35.92	27.42	35.98	34.20	34.13	33.68	38.02	11.18	17.69	7.30	24.85	32.10	41.87	22.03	34.41	42.80	48.85	28.65	33.28	39.00	32.80
1972-73 SE OF P-VAL	1.67	3.41	2.39	3.62	3.00	1.84	2.26	1.72	2.22	3.44	2.05	3.60	2.42	2.21	4.53	7.27	3.74	3.25	4.21	4.20	4.11	2.46
1972-73 DELTA-P		2.01	-6.49#	2.07	0.29	0.22	-0.23	4.11#	-22.73#	-16.22#	-26.61#	-9.06#	-1.81	7.96#	-11.88#	0.50	-21.51#	14.94#	-5.26	-0.63	5.09	-1.11
1972-73 SE OF DP		2.84	2.52	2.80	2.77	1.18	1.21	0.73	2.24	3.37	2.30	3.14	1.70	1.46	4.56	6.80	3.74	3.01	3.92	3.55	3.97	2.49
AGE: Ad																						
1972-73 P-VALUE	36.48	41.84	33.40	31.05	40.15	40.79	32.47	41.29	10.70	11.59	20.68	24.22	39.57	60.86	9.89	29.37	16.55	56.49	33.29	37.62	37.45	36.44
1972-73 SE OF P-VAL	1.59	3.11	2.95	2.61	3.87	2.14	1.89	1.66	2.21	3.80	2.51	3.08	2.39	2.33	3.66	4.62	2.91	4.97	6.02	4.13	4.51	2.73
1972-73 DELTA-P		5.36	-3.08	-5.43*	3.67	4.31#	-4.01#	4.81#	-25.78#	-24.89#	-15.80#	-12.26#	2.89	24.38#	-26.59#	-7.11	-19.93#	20.01#	-3.19	1.14	0.97	-0.04
1972-73 SE OF DP		2.76	2.75	2.34	3.11	1.28	1.19	0.51	2.50	3.18	2.08	3.14	1.89	1.88	3.81	4.45	3.34	4.76	5.88	3.88	4.18	2.01
RESPONSE: 100 AGE: 13 TEXT: Soil.																						
Response did not occur at this age.																						
AGE: 17																						
Response did not occur at this age.																						
AGE: Ad																						
Response did not occur at this age.																						
RESPONSE: 101 AGE: 13 TEXT: Amount of sunlight.																						
1972-73 P-VALUE	2.78	2.56	3.21	1.87	3.91	3.41	2.18	3.22	0.98	0.58	0.84	1.71	1.56	4.40	2.33	2.30	1.84	4.28	0.26	1.77	4.38	3.16
1972-73 SE OF P-VAL	0.41	0.77	1.18	0.52	0.74	0.55	0.47	0.49	0.60	0.61	0.60	0.93	0.48	0.72	0.95	1.31	1.04	1.16	0.26	0.84	2.16	0.61
1972-73 DELTA-P		-0.22	0.43	-1.31*	1.13	0.63*	-0.68*	0.44#	-1.88#	-2.20#	-1.94#	-1.07	-1.22*	1.62#	-0.45	-0.48	-0.94	1.50	-2.52#	-1.01	1.60	0.38
1972-73 SE OF DP		0.69	0.89	0.53	0.65	0.29	0.32	0.12	0.66	0.72	0.66	0.97	0.52	0.41	0.79	1.25	1.10	1.07	0.45	0.79	1.95	0.59

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 BP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Third physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 101 AGE: 17 TEXT: Amount of sunlight.																						
1972-73 P-VALUE	6.45	6.10	5.37	6.98	7.07	7.48	5.40	7.15	2.03	5.02	1.29	6.32	6.37	7.82	1.38	4.28	1.76	7.43	7.75	7.63	8.04	6.12
1972-73 SE OF P-VAL	0.72	1.40	0.93	1.46	1.64	1.11	0.85	0.78	0.86	2.24	1.09	2.36	1.09	1.16	1.06	1.20	0.80	1.61	3.68	1.35	2.22	0.83
1972-73 DELTA-P		-0.35	-1.08	0.53	0.62	1.03	-1.05	0.70#	-4.44#	-1.43	-5.16#	-0.13	-0.08	1.37	-5.07#	-2.17	-4.69#	0.95	1.30	1.18	1.59	-0.33
1972-73 SE OF DP		1.18	1.03	1.17	1.40	0.66	0.67	0.20	0.94	2.14	1.05	2.22	0.82	0.78	1.50	1.31	0.97	1.45	3.42	1.31	1.84	0.74
AGE: Ad																						
1972-73 P-VALUE	5.40	6.06	4.88	3.37	7.49	6.30	4.56	6.04	1.26	3.45	2.67	2.31	5.05	10.73	4.95	5.26	2.39	8.32	5.70	4.20	7.28	4.96
1972-73 SE OF P-VAL	0.64	1.42	0.92	0.74	1.75	0.87	0.78	0.69	1.25	2.03	0.91	0.87	0.98	1.53	2.58	1.98	0.89	1.99	2.05	1.43	1.39	1.15
1972-73 DELTA-P		0.66	-0.52	-2.03#	2.09	0.90	-0.84	0.64#	-4.14#	-1.95	-2.73#	-3.09#	-0.35	5.33#	-0.45	-0.14	-3.01#	2.92	0.30	-1.20	1.88	-0.44
1972-73 SE OF DP		1.21	0.95	0.80	1.37	0.54	0.50	0.19	1.31	1.85	0.80	1.01	0.78	1.12	2.72	1.90	0.96	1.82	2.03	1.28	1.33	0.85
RESPONSE: 102 AGE: 13 TEXT: Size of park.																						
1972-73 P-VALUE	2.61	4.09	1.97	2.63	1.79	2.69	2.53	2.91	0.81	1.96	0.00	2.16	2.22	3.36	2.82	2.96	2.00	4.59	1.64	3.22	3.33	1.66
1972-73 SE OF P-VAL	0.31	0.81	0.43	0.42	0.66	0.46	0.54	0.38	0.50	1.40	0.00	1.78	0.55	0.55	1.03	1.23	0.93	1.38	0.86	1.14	0.96	0.49
1972-73 DELTA-P		1.48*	-0.64	0.02	-0.82	0.08	-0.08	0.30*	-1.80#	-0.65	-2.61#	-0.45	-0.39	0.75	0.21	0.35	-0.61	1.98	-0.97	0.61	0.72	-0.95
1972-73 SE OF DP		0.66	0.43	0.42	0.55	0.38	0.41	0.15	0.62	1.39	0.31	1.72	0.47	0.44	0.98	1.22	0.91	1.22	0.90	1.00	0.91	0.52
AGE: 17																						
1972-73 P-VALUE	5.58	4.11	3.72	6.25	8.01	4.82	6.36	6.03	1.61	7.32	0.76	3.81	5.66	6.59	4.95	7.85	2.36	5.95	6.51	4.11	5.59	6.12
1972-73 SE OF P-VAL	0.61	1.12	1.00	1.06	1.42	0.72	0.95	0.66	0.69	2.52	0.76	1.65	1.08	0.90	2.65	2.11	1.12	1.40	2.09	1.41	1.65	1.20
1972-73 DELTA-P		-1.47	-1.86	0.67	2.43*	-0.76	0.78	0.45*	-3.97#	1.74	-4.82#	-1.77	0.08	1.01	-0.63	2.27	-3.22#	0.37	0.93	-1.47	0.01	0.54
1972-73 SE OF DP		0.94	0.99	0.90	1.20	0.57	0.59	0.20	0.78	2.35	1.06	1.66	0.83	0.61	2.54	1.99	1.22	1.35	2.00	1.32	1.49	0.96
AGE: Ad																						
1972-73 P-VALUE	6.72	9.90	6.69	3.33	6.92	6.86	6.59	7.76	1.38	0.90	3.78	5.32	7.77	9.98	2.54	4.89	3.43	7.27	8.09	6.12	8.16	7.19
1972-73 SE OF P-VAL	0.60	1.64	0.94	0.78	1.26	0.84	0.92	0.70	0.88	0.85	0.97	1.38	1.31	1.40	2.01	2.17	1.34	1.61	2.59	1.80	1.26	0.98
1972-73 DELTA-P		3.18*	-0.03	-2.79#	0.20	0.14	-0.13	1.04#	-5.34#	-5.82#	-2.94#	-1.40	1.05	3.22#	-4.18*	-1.83	-3.29*	0.55	1.37	-0.60	1.44	0.47
1972-73 SE OF DP		1.34	0.93	0.77	1.06	0.67	0.63	0.18	1.04	0.93	0.94	1.30	1.18	1.12	1.91	2.08	1.38	1.51	2.46	1.66	1.18	0.75
RESPONSE: 103 AGE: 13 TEXT: Rainfall and water supply.																						
1972-73 P-VALUE	2.96	5.48	1.51	3.08	1.82	2.09	3.91	3.37	0.44	2.22	0.39	3.16	3.93	3.05	1.77	2.06	0.59	6.17	2.01	1.89	3.45	3.08
1972-73 SE OF P-VAL	0.59	1.98	0.61	0.86	0.64	0.55	1.04	0.71	0.27	1.51	0.40	1.44	0.90	0.71	0.82	1.00	0.38	3.51	0.84	0.75	0.67	0.89
1972-73 DELTA-P		2.52	-1.45	0.12	-1.14	-0.87	0.95	0.41*	-2.52#	-0.74	-2.57#	0.20	0.97*	0.09	-1.19	-0.90	-2.37#	3.21	-0.95	-1.07	0.49	0.12
1972-73 SE OF DP		1.53	0.73	0.84	0.73	0.57	0.60	0.18	0.66	1.52	0.73	1.35	0.47	0.41	0.68	1.07	0.73	3.08	0.86	0.85	0.82	0.78
AGE: 17																						
1972-73 P-VALUE	2.87	3.56	3.75	1.90	2.59	2.26	3.50	3.10	1.94	1.09	0.71	2.23	3.81	2.87	1.11	2.38	0.64	3.08	3.05	4.24	3.43	2.48
1972-73 SE OF P-VAL	0.39	1.02	0.76	0.47	0.81	0.44	0.58	0.42	0.75	0.62	0.43	0.53	1.09	0.51	0.65	1.03	0.45	1.04	1.04	1.63	1.01	0.56
1972-73 DELTA-P		0.69	0.88	-0.97	-0.28	-0.61	0.63	0.23*	-0.93	-1.78#	-2.16#	-0.67	0.94	0.00	-1.76*	-0.49	-2.23#	0.21	0.18	1.37	0.56	-0.39
1972-73 SE OF DP		0.80	0.71	0.49	0.71	0.33	0.35	0.11	0.68	0.66	0.58	0.66	0.83	0.47	0.72	1.02	0.54	0.95	1.04	1.41	0.94	0.54
AGE: Ad																						
1972-73 P-VALUE	1.91	0.88	3.17	1.27	2.53	1.62	2.18	2.01	2.13	0.00	1.82	1.57	2.38	1.78	0.87	2.77	0.00	4.74	0.00	2.75	1.65	1.50
1972-73 SE OF P-VAL	0.33	0.42	0.75	0.39	0.92	0.44	0.51	0.38	1.00	0.00	0.63	0.58	0.73	0.84	0.88	1.19	0.00	1.70	0.00	1.18	1.16	0.36
1972-73 DELTA-P		-1.03*	1.26	-0.64	0.62	-0.29	0.27	0.10	0.22	-1.91#	-0.09	-0.34	0.47	-0.13	-1.04	0.86	-1.91#	2.83	-1.91#	0.84	-0.26	-0.41
1972-73 SE OF DP		0.45	0.65	0.42	0.72	0.37	0.34	0.13	1.00	0.33	0.57	0.62	0.62	0.72	0.87	1.16	0.33	1.50	0.33	1.06	1.10	0.40
RESPONSE: 104 AGE: 13 TEXT: Wind.																						
1972-73 P-VALUE	1.54	1.71	1.18	1.41	1.83	1.27	1.83	1.88	0.00	0.00	0.21	1.00	2.24	1.74	0.43	1.61	0.00	1.21	1.34	3.08	2.19	1.07
1972-73 SE OF P-VAL	0.32	0.53	0.53	0.64	0.78	0.39	0.42	0.39	0.00	0.00	0.21	0.61	0.70	0.47	0.30	1.24	0.00	0.67	0.63	1.11	0.83	0.33
1972-73 DELTA-P		0.17	-0.36	-0.13	0.29	-0.27	0.29	0.34#	-1.54#	-1.54#	-1.33#	-0.54	0.70	0.20	-1.11#	0.07	-1.54#	-0.33	-0.20	1.54	0.65	-0.47
1972-73 SE OF DP		0.49	0.50	0.55	0.63	0.24	0.26	0.08	0.32	0.32	0.38	0.60	0.49	0.33	0.43	1.13	0.32	0.62	0.63	0.95	0.76	0.34
AGE: 17																						
1972-73 P-VALUE	3.88	3.69	2.48	4.96	3.86	4.04	3.72	4.39	1.40	0.95	0.41	2.00	4.17	4.99	0.00	6.45	0.65	3.60	2.02	1.94	7.67	3.67
1972-73 SE OF P-VAL	0.54	0.89	0.91	1.35	0.72	0.89	0.73	0.65	0.91	0.68	0.41	1.06	1.06	0.79	0.00	2.27	0.68	1.19	1.05	0.75	1.73	1.03
1972-73 DELTA-P		-0.19	-1.40	1.08	-0.02	0.16	-0.16	0.51#	-2.48*	-2.93#	-3.47#	-1.88	0.29	1.11*	-3.88#	2.57	-3.23#	-0.28	-1.86	-1.94*	3.79*	-0.21
1972-73 SE OF DP		0.81	0.89	1.00	0.75	0.60	0.62	0.18	1.07	0.84	0.68	1.16	0.78	0.51	0.54	2.05	0.87	1.25	1.06	0.81	1.53	0.81

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-236 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Third physical factor given.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 104 AGE: Ad TEXT: Wind.																						
1972-73 P-VALUE	5.29	5.16	5.18	5.01	5.81	5.47	5.12	5.83	2.44	2.46	3.50	2.86	5.65	8.79	1.52	4.73	3.59	9.42	6.27	3.92	4.48	4.96
1972-73 SE OF P-VAL	0.57	1.18	1.15	1.04	1.18	0.94	0.79	0.59	1.15	2.01	1.08	1.12	1.05	1.26	1.42	0.98	1.97	2.01	2.32	1.49	1.40	0.97
1972-73 DELTA-P		-0.13	-0.11	-0.28	0.52	0.18	-0.17	0.54#	-2.85#	-2.83	-1.79	-2.43*	0.36	3.50#	-3.77#	-0.56	-1.70	4.13*	0.98	-1.37	-0.81	-0.35
1972-73 SE OF DP		1.03	1.04	0.89	1.00	0.68	0.64	0.16	1.08	1.88	0.98	1.04	0.91	0.99	1.49	1.05	1.81	1.83	2.24	1.35	1.41	0.78
RESPONSE: 105 AGE: 13 TEXT: Climate; weather.																						
1972-73 P-VALUE	0.80	1.43	0.80	0.50	0.52	1.10	0.47	0.94	0.00	0.39	0.00	0.62	0.42	1.42	0.36	0.00	0.00	1.81	0.73	1.47	0.83	0.56
1972-73 SE OF P-VAL	0.19	0.42	0.45	0.27	0.32	0.31	0.24	0.22	0.00	0.41	0.00	0.63	0.25	0.39	0.36	0.00	0.00	0.72	0.56	0.71	0.57	0.31
1972-73 DELTA-P		0.63	0.00	-0.30	-0.28	0.30	-0.33	0.14#	-0.80#	-0.41	-0.80#	-0.18	-0.38	0.62*	-0.44	-0.80#	-0.80#	1.01	-0.07	0.67	0.03	-0.24
1972-73 SE OF DP		0.36	0.38	0.27	0.29	0.20	0.22	0.05	0.19	0.39	0.19	0.60	0.26	0.26	0.35	0.19	0.19	0.66	0.53	0.64	0.56	0.25
AGE: 17																						
1972-73 P-VALUE	3.02	3.55	3.24	3.15	2.03	2.72	3.33	3.46	0.87	0.61	0.57	1.78	2.54	3.95	2.70	2.46	2.86	6.77	0.92	2.46	3.73	2.26
1972-73 SE OF P-VAL	0.43	1.01	1.03	0.68	0.66	0.52	0.71	0.50	0.45	0.60	0.41	1.02	0.49	0.73	2.30	1.08	1.42	1.87	0.55	1.56	0.97	0.65
1972-73 DELTA-P		0.53	0.22	0.13	-0.99	-0.30	0.31	0.44#	-2.15#	-2.41#	-2.45#	-1.24	-0.48	0.93*	-0.32	-0.56	-0.16	3.75*	-2.10#	-0.56	0.71	-0.76
1972-73 SE OF DP		0.80	0.91	0.60	0.65	0.44	0.45	0.12	0.54	0.70	0.55	0.99	0.47	0.43	2.23	1.06	1.50	1.66	0.67	1.46	0.95	0.57
AGE: Ad																						
1972-73 P-VALUE	4.80	5.65	3.00	5.30	4.94	5.48	4.17	5.51	0.33	2.35	2.94	3.43	6.06	6.72	0.00	2.51	0.92	6.62	2.69	6.47	5.04	5.52
1972-73 SE OF P-VAL	0.56	1.01	0.88	1.28	1.14	0.83	0.64	0.63	0.32	1.43	0.61	1.19	0.95	1.12	0.00	1.49	0.72	1.57	1.47	1.50	1.52	1.11
1972-73 DELTA-P		0.85	-1.80*	0.50	0.14	0.68	-0.63	0.71#	-4.47#	-2.45	-1.86#	-1.37	1.26	1.92*	-4.80#	-2.29	-3.88#	1.82	-2.11	1.67	0.24	0.72
1972-73 SE OF DP		0.91	0.88	1.01	0.97	0.50	0.46	0.13	0.62	1.34	0.64	0.98	0.73	0.85	0.56	1.38	0.89	1.59	1.38	1.36	1.53	0.78
RESPONSE: 106 AGE: 13 TEXT: Terrain, water table, etc.																						
1972-73 P-VALUE	1.48	2.50	1.12	0.75	1.60	1.84	1.09	1.64	0.53	1.14	0.28	2.15	1.18	2.19	0.36	0.13	0.42	3.41	1.12	1.04	1.26	1.78
1972-73 SE OF P-VAL	0.27	0.79	0.34	0.26	0.60	0.41	0.28	0.32	0.38	0.85	0.28	0.88	0.38	0.50	0.36	0.13	0.43	1.28	0.65	0.52	0.73	0.58
1972-73 DELTA-P		1.02	-0.36	-0.73*	0.12	0.36	-0.39	0.16	-0.95*	-0.34	-1.20#	0.67	-0.30	0.71*	-1.12#	-1.35*	-1.06*	1.93	-0.36	-0.44	-0.22	0.30
1972-73 SE OF DP		0.63	0.37	0.33	0.49	0.23	0.25	0.10	0.47	0.83	0.34	0.87	0.35	0.32	0.35	0.29	0.47	1.18	0.65	0.52	0.71	0.44
AGE: 17																						
1972-73 P-VALUE	2.98	3.38	2.57	3.38	2.32	2.37	3.60	3.40	1.06	0.36	0.00	3.68	2.81	3.62	0.73	4.98	0.76	5.08	0.89	2.18	3.24	3.06
1972-73 SE OF P-VAL	0.45	1.12	0.64	0.80	0.79	0.57	0.69	0.53	0.58	0.34	0.00	1.44	0.78	0.79	0.71	1.73	0.68	1.71	0.57	0.79	1.14	0.64
1972-73 DELTA-P		0.40	-0.41	0.40	-0.66	-0.61	0.62	0.42#	-1.92#	-2.62#	-2.98#	0.70	-0.17	0.64	-2.25#	2.00	-2.22#	2.10	-2.09#	-0.80	0.26	0.08
1972-73 SE OF DP		0.88	0.67	0.67	0.73	0.46	0.46	0.13	0.69	0.54	0.45	1.44	0.67	0.51	0.82	1.65	0.74	1.49	0.69	0.74	1.01	0.59
AGE: Ad																						
1972-73 P-VALUE	4.02	5.68	2.07	4.53	3.53	5.01	3.10	4.55	1.04	1.48	2.23	2.92	4.06	7.07	0.00	5.03	1.38	8.34	4.59	3.15	2.13	3.73
1972-73 SE OF P-VAL	0.50	1.34	0.62	1.01	0.77	0.85	0.52	0.58	0.74	1.05	0.55	0.95	0.93	1.39	0.00	1.79	0.92	1.79	1.54	1.13	0.87	0.84
1972-73 DELTA-P		1.66	-1.95#	0.51	-0.49	0.99	-0.92	0.53#	-2.98#	-2.54*	-1.79#	-1.10	0.04	3.05#	-4.02#	1.01	-2.60#	4.32#	0.57	-0.87	-1.09*	-0.29
1972-73 SE OF DP		1.09	0.69	0.82	0.73	0.51	0.47	0.14	0.88	1.09	0.64	0.91	0.78	1.13	0.50	1.68	0.94	1.60	1.43	[illegible]	0.94	0.67
RESPONSE: 107 AGE: 13 TEXT: Physical factors resulting from buildings.																						
1972-73 P-VALUE	2.60	2.65	2.88	2.61	2.31	2.81	2.38	3.03	0.65	0.65	0.69	0.35	2.38	4.38	0.23	1.12	0.88	3.52	2.18	2.48	3.51	2.89
1972-73 SE OF P-VAL	0.39	0.57	0.80	1.01	0.66	0.48	0.63	0.47	0.48	0.63	0.69	0.35	0.68	0.67	0.16	0.62	0.82	1.04	1.16	0.71	1.16	0.79
1972-73 DELTA-P		0.05	0.26	0.01	-0.29	0.21	-0.22	0.43#	-1.95#	-1.95#	-1.91#	-2.25#	-0.22	1.70#	-2.37#	-1.48*	-1.72	0.92	-0.42	-0.12	0.91	0.29
1972-73 SE OF DP		0.56	0.69	0.80	0.60	0.38	0.41	0.12	0.60	0.74	0.72	0.51	0.48	0.43	0.43	0.69	0.86	1.02	1.11	0.76	0.98	0.54
AGE: 17																						
1972-73 P-VALUE	5.99	7.85	4.86	5.97	5.07	7.31	4.64	6.93	1.08	1.60	1.23	3.00	4.40	8.11	7.40	4.21	1.27	11.65	3.79	6.61	5.82	5.94
1972-73 SE OF P-VAL	0.55	0.93	0.65	1.30	1.04	0.79	0.74	0.61	0.50	1.07	1.01	1.22	0.87	0.86	3.02	1.12	0.64	1.38	1.07	1.47	0.97	1.24
1972-73 DELTA-P		1.86*	-1.53*	-0.02	-0.92	1.32*	-1.35*	0.94#	-4.91#	-4.39#	-4.76#	-2.99*	-1.59*	2.12#	1.41	-1.78	-4.72#	5.66#	-2.20	0.62	-0.17	-0.05
1972-73 SE OF DP		0.82	0.75	0.98	0.93	0.53	0.54	0.18	0.64	1.20	1.04	1.21	0.71	0.60	2.91	1.12	0.87	1.32	1.13	1.26	1.02	1.02
AGE: Ad																						
1972-73 P-VALUE	6.31	6.21	6.49	5.92	6.69	8.14	4.61	7.36	0.64	0.94	2.53	4.07	6.17	12.69	0.00	3.32	3.30	9.22	4.19	7.83	7.42	6.46
1972-73 SE OF P-VAL	0.66	1.46	1.32	1.21	1.31	0.98	0.80	0.75	0.66	0.94	0.83	0.99	1.16	1.80	0.00	0.87	1.30	1.96	1.84	2.11	2.63	1.09
1972-73 DELTA-P		-0.10	0.18	-0.39	0.38	1.83#	-1.70#	1.05#	-5.67#	-5.37#	-3.78#	-2.24*	-0.14	6.38#	-6.31#	-2.99#	-3.01*	2.91	-2.21	1.52	1.11	0.15
1972-73 SE OF DP		1.25	1.28	1.03	1.12	0.63	0.58	0.16	0.81	1.08	0.91	1.06	0.88	1.43	0.66	1.04	1.36	1.76	1.80	1.94	2.39	0.89

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Third physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 108 AGE: 13	TEXT: Pollution (as it would affect choice of types of plantings).																					
1972-73 P-VALUE	0.36	0.55	0.10	0.51	0.26	0.42	0.29	0.44	0.00	0.00	0.00	0.42	0.19	0.56	0.29	0.00	0.00	1.10	0.52	0.39	0.32	0.23
1972-73 SE OF P-VAL	0.14	0.40	0.10	0.29	0.19	0.18	0.20	0.16	0.00	0.00	0.00	0.41	0.14	0.29	0.29	0.00	0.00	0.77	0.37	0.37	0.33	0.14
1972-73 DELTA-P		0.19	-0.26	0.15	-0.10	0.06	-0.07	0.08#	-0.36#	-0.36#	-0.36#	0.06	-0.17	0.20	-0.07	-0.36#	-0.36#	0.74	0.16	0.03	-0.04	-0.13
1972-73 SE OF DP		0.32	0.15	0.24	0.19	0.13	0.14	0.03	0.14	0.14	0.14	0.40	0.16	0.19	0.24	0.14	0.14	0.68	0.35	0.34	0.32	0.16
AGE: 17																						
1972-73 P-VALUE	0.42	0.67	0.00	0.62	0.21	0.55	0.28	0.50	0.00	0.00	0.67	0.43	0.71	0.24	0.00	0.00	0.00	0.00	0.00	1.94	0.00	0.39
1972-73 SE OF P-VAL	0.14	0.32	0.00	0.32	0.16	0.24	0.19	0.16	0.00	0.00	0.67	0.43	0.32	0.13	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.19
1972-73 DELTA-P		0.25	-0.42#	0.20	-0.21	0.13	-0.14	0.08#	-0.42#	-0.42#	0.25	0.01	0.29	-0.18	-0.42#	-0.42#	-0.42#	-0.42#	-0.42#	1.52*	-0.42#	-0.03
1972-73 SE OF DP		0.26	0.14	0.24	0.18	0.16	0.16	0.03	0.14	0.14	0.61	0.37	0.28	0.15	0.14	0.14	0.14	0.14	0.14	0.70	0.14	0.18
AGE: Ad																						
1972-73 P-VALUE	0.93	0.48	0.97	0.65	1.63	0.90	0.96	0.97	1.11	0.00	0.91	1.18	0.64	1.28	0.00	0.00	0.90	0.50	0.00	1.85	1.04	1.17
1972-73 SE OF P-VAL	0.26	0.39	0.43	0.35	0.74	0.33	0.35	0.28	0.87	0.00	0.45	0.70	0.33	0.52	0.00	0.00	0.64	0.50	0.00	1.10	0.59	0.39
1972-73 DELTA-P		-0.45	0.04	-0.28	0.70	-0.03	0.03	0.04	0.18	-0.93#	-0.02	0.25	-0.29	0.35	-0.93#	-0.93#	-0.03	-0.43	-0.93#	0.92	0.11	0.24
1972-73 SE OF DP		0.38	0.42	0.34	0.58	0.24	0.27	0.10	0.88	0.26	0.41	0.63	0.25	0.39	0.26	0.26	0.63	0.44	0.26	0.96	0.53	0.29
RESPONSE: 109 AGE: 13	TEXT: Natural features already present.																					
1972-73 P-VALUE	0.75	0.80	1.13	0.49	0.61	0.67	0.84	0.84	0.21	0.50	0.00	0.87	0.62	1.23	0.00	1.76	1.27	1.44	0.79	0.00	0.25	0.58
1972-73 SE OF P-VAL	0.18	0.39	0.38	0.31	0.36	0.24	0.29	0.22	0.21	0.51	0.00	0.62	0.28	0.39	0.00	0.76	0.89	0.76	0.17	0.00	0.25	0.32
1972-73 DELTA-P		0.05	0.38	-0.26	-0.14	-0.08	0.09	0.09	-0.54*	-0.25	-0.75#	0.12	-0.13	0.48	-0.75#	1.01	0.52	0.69	0.04	-0.75#	-0.50	-0.17
1972-73 SE OF DP		0.34	0.33	0.28	0.31	0.19	0.20	0.06	0.25	0.54	0.18	0.63	0.24	0.26	0.18	0.72	0.85	0.69	0.25	0.18	0.27	0.25
AGE: 17																						
1972-73 P-VALUE	1.30	1.65	1.01	1.31	1.11	1.70	0.89	1.47	0.34	0.74	1.49	0.54	0.86	1.82	0.52	0.00	0.79	1.92	2.48	0.88	0.38	1.91
1972-73 SE OF P-VAL	0.30	0.71	0.29	0.44	0.74	0.52	0.28	0.35	0.34	0.74	1.09	0.39	0.30	0.60	0.50	0.00	0.56	1.38	1.24	0.51	0.19	0.58
1972-73 DELTA-P		0.35	-0.29	0.01	-0.19	0.40	-0.41	0.17	-0.96*	-0.56	0.19	-0.76	-0.44	0.52	-0.78	-1.30#	-0.51	0.62	1.18	-0.42	-0.92#	0.61
1972-73 SE OF DP		0.56	0.37	0.41	0.62	0.30	0.31	0.09	0.82	0.77	1.10	0.47	0.35	0.35	0.59	0.30	0.55	1.22	1.15	0.52	0.33	0.45
AGE: Ad																						
1972-73 P-VALUE	0.52	1.03	0.47	0.51	0.10	0.21	0.81	0.62	0.00	0.00	0.00	0.29	0.63	1.14	0.00	0.19	0.64	1.42	0.39	0.00	0.26	0.54
1972-73 SE OF P-VAL	0.17	0.44	0.47	0.30	0.11	0.13	0.31	0.21	0.00	0.00	0.00	0.29	0.30	0.50	0.00	0.20	0.47	1.04	0.37	0.00	0.27	0.27
1972-73 DELTA-P		0.51	-0.05	-0.01	-0.42*	-0.31	0.29	0.10*	-0.52#	-0.52#	-0.52#	-0.23	0.11	0.62	-0.52#	-0.33	0.12	0.90	-0.13	-0.52#	-0.26	0.02
1972-73 SE OF DP		0.36	0.48	0.26	0.19	0.17	0.16	0.04	0.17	0.17	0.17	0.30	0.26	0.45	0.17	0.25	0.46	0.92	0.38	0.17	0.30	0.22
RESPONSE: 110 AGE: 13	TEXT: Other Acceptable Responses.																					
1972-73 P-VALUE	1.00	1.61	0.65	0.83	0.92	0.86	1.16	1.07	0.16	1.48	0.00	0.83	0.31	1.80	0.79	0.61	0.44	2.09	0.96	0.75	0.34	1.20
1972-73 SE OF P-VAL	0.22	0.56	0.40	0.42	0.38	0.25	0.34	0.26	0.16	0.96	0.00	0.82	0.18	0.47	0.49	0.58	0.45	0.79	0.50	0.59	0.32	0.45
1972-73 DELTA-P		0.61	-0.35	-0.17	-0.08	-0.14	0.16	0.07	-0.84#	0.48	-1.00#	-0.17	-0.69#	0.80#	-0.21	-0.39	-0.56	1.09	-0.04	-0.25	-0.66	0.20
1972-73 SE OF DP		0.46	0.36	0.37	0.34	0.19	0.21	0.08	0.27	0.92	0.22	0.80	0.24	0.30	0.47	0.55	0.48	0.69	0.52	0.53	0.37	0.36
AGE: 17																						
1972-73 P-VALUE	1.14	0.89	0.84	1.49	1.24	0.72	1.57	1.24	0.89	0.00	0.20	0.14	0.64	1.54	3.25	1.57	1.32	2.22	1.25	0.88	0.82	0.80
1972-73 SE OF P-VAL	0.22	0.50	0.39	0.39	0.49	0.28	0.37	0.26	0.54	0.00	0.20	0.14	0.33	0.43	1.78	0.62	0.72	1.15	0.90	0.56	0.36	0.33
1972-73 DELTA-P		-0.25	-0.30	0.35	0.10	-0.42	0.43	0.10	-0.25	-1.14#	-0.94#	-1.00#	-0.50	0.40	2.11	0.43	0.18	1.08	0.11	-0.26	-0.32	-0.34
1972-73 SE OF DP		0.41	0.38	0.34	0.43	0.24	0.24	0.08	0.52	0.22	0.29	0.26	0.36	0.30	1.70	0.63	0.68	1.04	0.84	0.52	0.37	0.13
AGE: Ad																						
1972-73 P-VALUE	0.49	0.78	0.35	0.41	0.43	0.70	0.30	0.54	0.36	0.00	0.29	0.00	0.95	0.52	0.00	0.67	0.00	0.40	1.47	1.31	0.00	0.28
1972-73 SE OF P-VAL	0.17	0.36	0.35	0.29	0.34	0.28	0.18	0.20	0.35	0.00	0.29	0.00	0.42	0.32	0.00	0.64	0.00	0.40	1.08	0.82	0.00	0.17
1972-73 DELTA-P		0.29	-0.14	-0.08	-0.06	0.21	-0.19	0.05	-0.13	-0.49#	-0.20	-0.49#	0.46	0.03	-0.49#	0.18	-0.49#	-0.09	0.98	0.82	-0.49#	-0.21
1972-73 SE OF DP		0.31	0.31	0.25	0.29	0.18	0.16	0.05	0.36	0.17	0.26	0.17	0.31	0.28	0.17	0.64	0.17	0.30	1.00	0.73	0.17	0.18
RESPONSE: 02 AGE: 13	TEXT: All Unacceptable Responses.																					
1972-73 P-VALUE	31.64	26.78	31.88	38.65	28.91	29.57	33.89	33.16	25.31	23.81	32.75	31.76	34.40	30.36	28.83	33.57	24.87	25.15	32.57	32.85	30.17	34.32
1972-73 SE OF P-VAL	1.30	2.73	2.69	2.84	1.75	1.81	1.55	1.48	3.23	4.43	3.97	3.78	2.22	1.09	2.76	4.96	2.78	2.74	3.25	3.13	3.91	2.55
1972-73 DELTA-P		-4.86*	0.24	7.01#	-2.73	-2.07	2.25*	1.52#	-6.33*	-7.83	1.11	0.12	2.76	-1.28	-2.81	1.93	-6.77*	-6.49*	0.93	1.21	-1.47	2.68
1972-73 SE OF DP		2.33	2.34	2.33	1.79	1.06	1.12	0.53	3.10	4.39	4.11	3.75	1.75	1.14	2.87	4.82	2.83	2.65	3.17	2.79	3.56	2.09

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Third physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: 17 TEXT: All Unacceptable Responses.																						
1972-73 P-VALUE	23.18	24.27	23.22	25.03	19.41	23.22	23.14	22.33	27.98	26.25	36.41	29.07	24.17	19.83	21.38	26.31	26.24	15.60	26.85	25.33	22.22	22.81
1972-73 SE OF P-VAL	1.16	1.81	2.23	2.43	2.46	1.67	1.63	1.35	2.78	4.13	5.38	4.09	1.84	1.51	4.76	2.92	3.62	2.31	2.54	3.70	2.96	2.46
1972-73 DELTA-P		1.09	0.04	1.85	-3.77	0.04	-0.04	-0.85	4.80	3.07	13.23#	5.89	0.99	-3.35#	-1.80	3.13	3.06	-7.58#	3.67	2.15	-0.96	-0.37
1972-73 SE OF DP		1.66	2.09	1.91	2.13	1.18	1.21	0.50	2.70	4.30	5.05	3.54	1.65	1.33	4.57	2.89	3.64	2.41	2.63	3.30	2.71	1.98
AGE: Ad																						
1972-73 P-VALUE	19.17	15.32	21.17	19.15	21.10	20.49	17.94	18.15	23.39	26.78	20.60	22.05	21.17	13.90	15.06	28.97	19.63	15.69	23.92	19.09	19.42	16.91
1972-73 SE OF P-VAL	1.07	1.28	3.13	1.65	2.35	1.57	1.33	1.17	3.12	5.46	1.96	2.22	2.05	1.86	4.25	6.09	3.50	2.47	4.19	3.06	3.38	1.05
1972-73 DELTA-P		-3.85#	2.00	-0.02	1.93	1.32	-1.23	-1.02	4.22	7.61	1.43	2.88	2.00	-5.27#	-4.11	9.80	0.46	-3.48	4.75	-0.08	0.25	-2.26*
1972-73 SE OF DP		1.42	2.59	1.52	1.95	1.02	0.95	0.53	3.04	5.17	1.67	2.21	1.55	1.49	4.21	5.53	3.37	2.43	4.17	2.89	3.05	1.08
RESPONSE: 250 AGE: 13 TEXT: Procedure to follow; or items to put in the parks.																						
1972-73 P-VALUE	5.48	3.36	4.56	7.80	5.97	5.26	5.72	5.77	6.21	0.84	5.76	5.07	5.66	5.82	4.26	7.28	6.31	5.89	6.31	5.44	4.29	4.82
1972-73 SE OF P-VAL	0.52	0.67	0.86	1.24	1.16	0.67	0.75	0.63	1.43	0.65	2.01	1.42	0.90	0.87	1.07	2.74	1.91	1.68	1.77	1.46	0.72	0.98
1972-73 DELTA-P		-2.12#	-0.92	2.32*	0.49	-0.22	0.24	0.29	0.73	-4.64#	0.28	-0.41	0.18	0.34	-1.22	1.80	0.83	0.41	0.83	-0.04	-1.19	-0.66
1972-73 SE OF DP		1.71	0.82	0.99	0.96	0.46	0.50	0.22	1.42	0.86	1.96	1.34	0.79	0.56	1.05	2.57	1.93	1.60	1.67	1.42	0.80	0.82
AGE: 17																						
1972-73 P-VALUE	3.33	1.97	3.17	5.87	1.75	3.76	2.89	3.45	3.20	1.53	4.92	5.72	2.98	3.00	2.30	5.71	3.83	0.51	1.69	3.67	3.47	3.88
1972-73 SE OF P-VAL	0.62	1.08	0.85	1.64	0.57	0.86	0.61	0.70	1.14	1.40	1.87	2.44	0.82	0.71	1.18	1.79	1.54	0.27	0.83	1.94	1.09	1.33
1972-73 DELTA-P		-1.36	-0.16	2.54*	-1.58*	0.43	-0.44	0.12	-0.13	-1.80	1.59	2.39	-0.35	-0.33	-1.03	2.38	0.50	-2.82#	-1.64	0.34	0.14	0.55
1972-73 SE OF DP		0.94	0.91	1.21	0.75	0.41	0.42	0.18	1.06	1.51	1.96	2.05	0.54	0.51	1.23	1.72	1.44	0.58	0.94	1.67	1.09	1.04
AGE: Ad																						
1972-73 P-VALUE	2.21	0.61	1.76	1.95	4.35	2.04	2.37	2.46	0.58	1.48	2.83	1.78	2.61	1.44	1.71	4.25	1.82	0.92	0.42	4.02	4.46	1.45
1972-73 SE OF P-VAL	0.52	0.45	0.49	0.68	1.74	0.60	0.71	0.62	0.41	0.31	0.82	0.75	1.19	0.61	1.71	3.90	0.96	0.97	0.42	2.32	1.41	0.43
1972-73 DELTA-P		-1.60#	-0.45	-0.26	2.14	-0.17	0.16	0.25*	-1.63*	-0.73	0.62	-0.43	0.40	-0.77	-0.50	2.04	-0.39	-1.29	-1.79#	1.81	2.25	-0.76
1972-73 SE OF DP		0.61	0.64	0.68	1.31	0.43	0.39	0.11	0.67	0.57	0.63	0.79	0.79	0.70	1.73	3.57	0.98	0.99	0.62	2.09	1.36	0.58
RESPONSE: 251 AGE: 13 TEXT: "People factors" (location of sidewalks, street buildings and recreational facilities in and around the park).																						
1972-73 P-VALUE	12.04	10.86	12.41	14.95	9.88	11.52	12.61	12.80	8.28	9.15	13.21	11.03	12.47	11.09	13.72	10.35	11.31	9.03	11.04	14.00	15.71	11.89
1972-73 SE OF P-VAL	0.93	2.19	1.59	2.05	1.45	1.18	1.18	1.04	2.49	2.40	2.58	2.48	1.53	1.16	2.22	2.44	1.83	1.79	3.02	2.95	2.61	1.46
1972-73 DELTA-P		-1.18	0.37	2.91	-2.16	-0.52	0.57	0.76*	-3.76	-2.89	1.17	-1.01	0.43	-0.95	1.68	-1.69	-0.73	-3.01	-1.00	1.96	3.67	-0.15
1972-73 SE OF DP		1.83	1.48	1.69	1.36	0.70	0.75	0.38	2.36	2.37	2.44	2.33	1.20	0.80	1.90	2.38	1.89	1.67	2.75	2.55	2.46	1.27
AGE: 17																						
1972-73 P-VALUE	7.74	7.53	7.77	8.39	7.11	7.98	7.50	7.62	7.73	9.93	14.93	8.27	8.62	6.28	6.31	9.85	8.09	4.91	8.94	10.41	7.59	6.54
1972-73 SE OF P-VAL	0.69	1.34	1.53	1.27	1.40	1.15	0.89	0.78	2.20	3.18	3.58	2.11	1.25	0.96	2.56	2.28	3.09	1.41	1.97	2.56	1.64	0.83
1972-73 DELTA-P		-0.21	0.03	0.65	-0.63	0.24	-0.24	-0.12	-0.01	2.19	7.19*	0.53	0.88	-1.46	-1.43	2.11	0.35	-2.83	1.20	2.67	-0.15	-1.20
1972-73 SE OF DP		1.13	1.38	1.05	1.24	0.75	0.77	0.33	2.11	3.10	3.40	1.99	0.94	0.76	2.60	2.20	2.95	1.42	1.83	2.24	1.46	0.85
AGE: Ad																						
1972-73 P-VALUE	7.68	6.21	9.60	7.58	7.56	7.64	7.72	6.88	13.02	9.82	7.62	9.29	9.02	5.52	4.12	12.96	9.10	4.53	16.12	6.59	6.50	6.03
1972-73 SE OF P-VAL	0.77	1.01	2.30	1.39	1.36	1.14	0.88	0.84	2.37	2.96	1.10	1.79	1.58	1.52	2.18	3.71	2.16	1.59	3.56	1.50	2.27	0.85
1972-73 DELTA-P		-1.47	1.92	-0.10	-0.12	-0.04	0.04	-0.80*	5.34*	2.14	-0.06	1.61	1.34	-2.16	-3.56	5.28	1.42	-3.15*	8.44#	-1.09	-1.18	-1.65*
1972-73 SE OF DP		1.06	1.90	1.19	1.22	0.68	0.63	0.34	2.26	2.96	1.19	1.58	1.13	1.26	2.22	3.38	2.26	1.45	3.36	1.42	2.07	0.78
RESPONSE: 252 AGE: 13 TEXT: Other Unacceptable Responses.																						
1972-73 P-VALUE	14.12	12.56	14.91	15.90	13.06	12.79	15.57	14.60	10.82	13.82	13.78	15.66	16.26	13.46	10.84	15.95	7.25	10.23	15.23	13.40	10.17	17.61
1972-73 SE OF P-VAL	0.83	1.82	1.54	1.57	1.67	1.15	1.14	0.89	1.88	5.25	3.24	2.81	1.70	1.02	2.03	2.32	2.18	1.77	1.61	2.19	1.51	1.50
1972-73 DELTA-P		-1.56	0.79	1.78	-1.06	-1.33	1.45	0.48	-3.30	-0.30	-0.34	1.54	2.14	-0.66	-3.28	1.83	-6.87#	-3.89*	1.11	-0.72	-3.95#	3.49#
1972-73 SE OF DP		1.54	1.39	1.37	1.43	0.75	0.82	0.44	1.89	4.95	3.06	2.77	1.29	0.85	1.89	2.15	2.08	1.76	1.68	1.97	1.47	1.15
AGE: 17																						
1972-73 P-VALUE	12.11	14.77	12.29	10.77	10.55	11.49	12.75	11.26	17.05	14.80	16.55	15.08	12.58	10.54	12.77	10.75	14.32	10.18	16.22	11.25	11.16	12.39
1972-73 SE OF P-VAL	0.86	1.89	1.43	1.39	1.72	1.15	1.24	0.96	2.34	3.09	4.03	2.81	1.30	1.11	2.92	3.47	2.57	1.67	2.77	2.88	1.60	1.60
1972-73 DELTA-P		2.66	0.18	-1.34	-1.56	-0.62	0.64	-0.85*	4.94*	2.69	4.44	2.97	0.47	-1.57	0.66	-1.36	2.21	-1.93	4.11	-0.86	-0.95	0.28
1972-73 SE OF DP		1.48	1.41	1.21	1.52	0.83	0.84	0.35	2.30	2.97	3.66	2.52	1.23	0.82	2.74	3.26	2.66	1.82	2.64	2.58	1.52	1.38

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205014-234 RP257

Before preparing a plan for landscaping a proposed park on each side of a row of tall buildings, what PHYSICAL FACTORS OR CONDITIONS OF THE ENVIRONMENT would you want to consider?

Third physical factor given.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 252 AGE: Ad TEXT: Other Unacceptable Responses.																						
1972-73 P-VALUE	9.28	8.50	9.80	9.63	9.19	10.81	7.85	8.81	9.79	15.48	10.15	10.98	9.55	6.94	9.24	11.76	8.71	10.25	7.38	8.49	8.47	9.43
1972-73 SE OF P-VAL	0.65	1.39	1.43	1.26	1.17	1.07	0.92	0.71	2.14	4.88	1.93	1.77	1.29	1.02	3.50	2.81	2.36	2.48	2.75	1.70	1.75	0.95
1972-73 DELTA-P		-0.78	0.52	0.35	-0.09	1.53	-1.43	-0.47	0.51	6.20	0.87	1.70	0.27	-2.34*	-0.04	2.48	-0.57	0.97	-1.90	-0.79	-0.81	0.15
1972-73 SE OF DP		1.20	1.26	1.05	1.04	0.78	0.73	0.38	2.12	4.64	1.65	1.63	1.18	0.99	3.50	2.62	2.25	2.30	2.62	1.70	1.76	0.76
RESPONSE: 399 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	24.29	23.08	24.76	24.79	24.49	22.80	25.90	22.67	32.19	28.37	33.43	32.49	21.53	20.88	30.95	22.99	28.61	18.03	25.29	25.36	21.27	26.54
1972-73 SE OF P-VAL	1.12	2.12	2.19	2.10	2.49	1.27	1.67	1.22	3.61	3.98	4.25	3.16	1.91	1.31	2.95	3.86	7.10	3.02	2.60	3.60	2.45	1.99
1972-73 DELTA-P		-1.21	0.47	0.50	0.20	-1.49	1.61	-1.42*	7.90*	4.08	9.14*	8.20#	-2.76	-3.41#	6.66#	-1.30	4.32	-6.26*	1.00	1.07	-3.02	2.25
1972-73 SE OF DP		1.89	1.95	1.83	2.06	0.91	0.99	0.59	3.50	3.91	4.03	2.80	1.55	1.17	2.44	3.64	6.78	2.97	2.45	3.31	2.57	1.65
AGE: 17																						
1972-73 P-VALUE	11.98	10.16	14.49	9.85	14.86	10.45	13.55	11.24	17.41	11.63	20.86	13.35	12.08	9.23	22.09	9.00	16.31	7.98	11.83	14.33	9.54	13.40
1972-73 SE OF P-VAL	0.75	1.53	1.77	0.89	1.75	1.05	1.11	0.83	2.24	2.10	3.20	2.34	1.57	1.00	3.62	1.92	2.71	2.04	2.23	2.54	1.92	1.51
1972-73 DELTA-P		-1.82	2.51	-2.13*	2.88	-1.53*	1.57	-0.74*	5.43#	-0.35	8.88#	1.37	0.10	-2.75#	10.11#	-2.98	4.33	-4.00*	-0.15	2.35	-2.44	1.42
1972-73 SE OF DP		1.27	1.57	0.91	1.48	0.76	0.79	0.34	2.17	2.07	3.19	2.19	1.31	0.79	3.47	2.01	2.81	1.81	2.19	2.31	1.82	1.23
AGE: Ad																						
1972-73 P-VALUE	21.98	21.33	25.60	24.81	16.42	18.63	25.09	18.61	41.37	36.95	36.87	25.68	15.51	8.75	47.26	23.90	33.05	6.64	21.60	22.66	23.43	23.28
1972-73 SE OF P-VAL	1.44	3.00	2.53	3.33	2.48	1.74	1.81	1.43	4.32	6.83	3.00	3.42	1.75	1.43	6.81	4.01	4.33	1.79	4.35	5.62	3.52	2.20
1972-73 DELTA-P		-0.65	3.62	2.83	-5.56*	-3.35#	3.11#	-3.37#	19.39#	14.97*	14.89#	3.70	-6.47#	-13.23#	25.28#	1.92	11.07#	-15.34#	-0.38	0.68	1.45	1.30
1972-73 SE OF DP		2.61	2.43	2.62	2.25	1.07	0.99	0.71	4.27	6.26	2.15	2.92	1.65	1.53	7.15	3.92	4.19	2.11	4.11	5.05	3.22	1.66

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Which of the following is a scientist NOT likely to do while he is at work?

○ Think

○ Read books

● Sell tickets

○ Plan experiments

○ I don't know.

NAEP #: 205016-1

72-73 Report #: RU237
69-70 Report #: U675

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: E. Understand and apply the scientific enterprise.

69-70 Obj: III. UNDERSTAND THE INVESTIGATIVE NATURE OF SCIENCE.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	07-04
69-70 Package-Exercise:	01-12
72-73 National P-val:	
RU237	70.34
69-70 National P-value:	
RU237	75.08

Timing: (in seconds)

	Stimulus:	10
	Response:	39
	I don't know:	5
	Pause:	6
RU237	Exercise total:	60

EXERCISE: 205016-1 RU237

Which of the following is a scientist NOT likely to do while he is at work?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.63	0.67	1.23	0.42	0.21	0.72	0.54	0.54	1.45	0.00	1.72	1.17	0.85	0.81	0.20	1.87	0.86	0.45	0.34	0.32	1.49	0.24
1969-70 P-VALUE	0.35	0.45	0.76	0.10	0.21	0.40	0.29	0.15	1.82	0.37	0.89	0.52	0.11	0.29	0.49	0.66	0.69	0.00	0.70	0.07	0.19	0.37
CHANGE P-VALUE	0.28	0.22	0.47	0.32	0.00	0.32	0.25	0.39	-0.37	-0.37	0.83	0.65	0.74	0.52	-0.29	1.21	0.17	0.45	-0.36	0.25	1.30*	-0.13
1972-73 SE OF P-VAL	0.19	0.32	0.66	0.26	0.15	0.25	0.22	0.22	0.56	0.00	1.02	0.84	0.68	0.32	0.12	1.52	0.54	0.43	0.32	0.31	0.61	0.14
1969-70 SE OF P-VAL	0.11	0.29	0.35	0.10	0.18	0.17	0.13	0.07	0.85	0.37	0.74	0.38	0.11	0.18	0.21	0.50	0.51	0.00	0.53	0.07	0.19	0.20
SE OF CHANGE P-VALUE	0.22	0.43	0.75	0.28	0.23	0.30	0.26	0.23	1.02	0.37	1.26	0.92	0.69	0.37	0.24	1.60	0.74	0.43	0.62	0.32	0.64	0.24
1972-73 DELTA-P		0.04	0.60	-0.21	-0.42	0.09	-0.09	-0.09	0.82	-0.63#	1.09	0.54	0.22	0.18	-0.43*	1.24	0.23	-0.18	-0.29	-0.31	0.86	-0.39
1969-70 DELTA-P		0.10	0.41	-0.25	-0.14	0.05	-0.06	-0.20*	1.47	0.02	0.54	0.17	-0.24	-0.06	0.14	0.31	0.34	-0.35#	0.35	-0.28*	-0.16	0.02
CHANGE DELTA-P		-0.06	0.19	0.04	-0.28	0.04	-0.03	0.11	-0.65	-0.65	0.55	0.37	0.46	0.24	-0.57*	0.93	-0.11	0.17	-0.64	-0.03	1.02	-0.41
1972-73 SE OF DP		0.30	0.52	0.26	0.22	0.14	0.14	0.09	0.50	0.19	0.98	0.82	0.55	0.27	0.19	1.39	0.53	0.41	0.34	0.31	0.56	0.20
1969-70 SE OF DP		0.23	0.31	0.13	0.17	0.10	0.11	0.10	0.76	0.37	0.68	0.37	0.14	0.15	0.14	0.47	0.49	0.11	0.46	0.13	0.20	0.16
SE OF CHANGE DELTA-P		0.38	0.61	0.29	0.28	0.17	0.16	0.13	0.91	0.42	1.19	0.90	0.57	0.31	0.24	1.47	0.72	0.42	0.57	0.34	0.59	0.26
RESPONSE: 01 AGE: 9	TEXT: Think																					
1972-73 P-VALUE	4.17	2.79	5.49	3.23	5.58	3.93	4.41	3.07	7.95	9.90	5.39	1.90	3.07	2.54	6.12	8.37	8.19	2.58	6.87	3.27	2.99	2.68
1969-70 P-VALUE	4.93	2.45	6.26	3.33	8.26	5.36	4.45	2.65	9.63	23.11	12.78	10.07	4.38	2.08	6.30	17.28	8.84	1.80	3.50	2.42	4.66	4.05
CHANGE P-VALUE	-0.76	0.34	-0.77	-0.10	-2.68	-1.43	-0.04	0.42	-1.68	-13.21	-7.39	-8.17*	-1.31	0.46	-0.18	-8.91	-0.65	0.78	3.37	0.85	-1.67	-1.37
1972-73 SE OF P-VAL	0.53	0.89	1.09	0.86	1.45	0.71	0.68	0.48	1.39	2.74	2.04	1.32	0.78	0.67	1.06	1.64	2.04	1.18	2.17	1.36	1.29	0.60
1969-70 SE OF P-VAL	0.99	0.77	1.52	0.78	3.36	1.28	0.93	0.49	1.66	9.87	4.75	3.86	1.27	0.58	1.11	9.55	1.86	1.07	1.14	1.13	1.23	1.06
SE OF CHANGE P-VALUE	1.12	1.18	1.87	1.16	3.66	1.46	1.15	0.69	2.17	10.24	5.17	4.08	1.49	0.89	1.53	9.69	2.76	1.59	2.45	1.77	1.78	1.22
1972-73 DELTA-P		-1.38	1.32	-0.94	1.41	-0.24	0.24	-1.10#	3.78#	5.73*	1.22	-2.27	-1.10	-1.63#	1.95#	4.20#	4.02*	-1.59	2.70	-0.96	-1.18	-1.49*
1969-70 DELTA-P		-2.48*	1.33	-1.60	3.33	0.43	-0.48	-2.28*	4.70#	18.18*	7.85	5.14	-0.55	-2.85#	1.37	12.35	3.91	-3.13*	-1.43	-2.51	-0.27	-0.88
CHANGE DELTA-P		1.10	-0.01	0.66	-1.92	-0.67	0.72	1.18	-0.92	-12.45	-6.63	-7.41*	-0.55	1.22	0.58	-8.15	0.11	1.54	4.13	1.61	-0.91	-0.61
1972-73 SE OF DP		0.81	0.94	0.78	1.22	0.45	0.45	0.35	1.22	2.51	1.91	1.45	0.87	0.59	0.71	1.60	1.87	1.01	2.01	1.28	1.21	0.65
1969-70 SE OF DP		1.12	1.55	1.11	2.51	0.51	0.57	0.96	1.75	9.04	3.97	3.19	0.79	0.78	0.80	8.73	2.01	1.39	1.35	1.44	1.65	1.15
SE OF CHANGE DELTA-P		1.38	1.91	1.36	2.79	0.68	0.73	1.02	2.13	9.38	4.41	3.50	1.18	0.98	1.07	8.88	2.75	1.72	2.42	1.93	2.05	1.32
RESPONSE: 02 AGE: 9	TEXT: Read books																					
1972-73 P-VALUE	8.04	7.59	9.68	7.45	7.57	7.75	8.33	6.06	16.70	14.25	13.63	11.30	6.77	4.45	10.56	11.14	15.40	6.58	10.04	7.21	5.24	6.94
1969-70 P-VALUE	8.07	10.22	8.99	7.71	5.57	9.37	6.61	6.41	18.04	11.38	18.89	12.40	7.92	5.87	8.11	10.37	14.21	1.95	9.99	10.29	7.48	7.43
CHANGE P-VALUE	-0.03	-2.63	0.69	-0.26	2.00	-1.62	1.72	-0.35	-1.34	2.87	-5.26	-1.10	-1.15	-1.42	2.45	0.77	1.19	4.63#	0.05	-3.08	-2.24	-0.49
1972-73 SE OF P-VAL	0.76	1.32	1.79	1.37	1.50	0.95	1.20	0.70	2.28	3.08	3.62	2.72	1.33	0.79	1.07	3.02	3.48	1.57	2.67	2.15	1.51	0.71
1969-70 SE OF P-VAL	0.82	1.52	1.58	1.64	1.56	1.23	0.77	0.83	1.98	3.58	4.09	2.87	1.38	0.93	1.34	2.09	2.93	0.91	3.08	2.40	2.41	1.07
SE OF CHANGE P-VALUE	1.12	2.01	2.39	2.14	2.16	1.55	1.43	1.09	3.02	4.72	5.46	3.95	1.92	1.22	1.71	3.67	4.55	1.81	4.08	3.22	2.84	1.28
1972-73 DELTA-P		-0.45	1.64	-0.59	-0.47	-0.29	0.29	-1.98#	8.66#	6.21*	5.59	3.26	-1.27	-3.59#	2.52#	3.10	7.36*	-1.46	2.00	-0.83	-2.80	-1.10
1969-70 DELTA-P		2.15	0.92	-0.36	-2.50	1.30*	-1.46*	-1.66#	9.97#	3.31	10.82#	4.33	-0.15	-2.20#	0.04	2.30	6.14*	-6.12#	1.92	2.22	-0.59	-0.64
CHANGE DELTA-P		-2.60	0.72	-0.23	2.03	-1.59	1.75	-0.32	-1.31	2.90	-5.23	-1.07	-1.12	-1.39	2.48	0.80	1.22	4.66#	0.08	-3.05	-2.21	-0.46
1972-73 SE OF DP		1.19	1.48	1.17	1.35	0.77	0.78	0.40	2.04	2.95	3.41	2.54	1.07	0.77	0.71	2.86	3.43	1.50	2.31	1.82	1.45	0.86
1969-70 SE OF DP		1.30	1.49	1.35	1.32	0.61	0.69	0.41	1.89	3.31	3.91	2.62	1.08	0.75	1.05	2.10	2.77	1.08	2.78	2.23	2.21	0.99
SE OF CHANGE DELTA-P		1.76	2.10	1.79	1.89	0.98	1.04	0.57	2.78	4.43	5.19	3.65	1.52	1.07	1.27	3.55	4.41	1.85	3.61	2.88	2.64	1.31

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205016-1 RU237

Which of the following is a scientist NOT likely to do while he is at work?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03* AGE: 9 TEXT: Sell tickets																						
1972-73 P-VALUE	70.34	76.68	63.79	71.82	68.01	70.04	70.64	75.95	47.50	49.07	52.12	60.40	74.42	81.54	62.49	59.94	48.45	76.70	67.45	73.92	74.12	73.26
1969-70 P-VALUE	75.08	76.19	70.44	79.29	72.75	72.99	77.44	82.10	48.21	37.81	55.06	55.47	76.30	85.24	69.84	50.21	50.74	89.72	71.50	79.90	78.13	78.38
CHANGE P-VALUE	-4.74	0.49	-6.65	-7.47	-4.74	-2.95	-6.80#	-6.15#	-0.71	11.26	-2.94	4.93	-1.88	-3.70	-7.35*	9.73	-2.29	-13.02#	-4.05	-5.98	-4.01	-5.12
1972-73 SE OF P-VAL	1.72	2.66	3.04	3.36	4.35	1.87	2.00	1.67	2.51	4.90	6.25	5.04	2.15	1.67	2.11	3.58	4.26	3.69	4.61	4.65	3.36	2.83
1969-70 SE OF P-VAL	1.72	2.61	2.67	2.53	5.01	2.17	1.77	1.29	2.37	8.09	6.37	5.26	2.06	1.65	2.21	9.28	4.78	1.85	4.81	3.07	3.10	2.82
SE OF CHANGE P-VALUE	2.43	3.73	4.05	4.21	6.63	2.86	2.67	2.11	3.45	9.46	8.92	7.28	2.98	2.35	3.06	9.95	6.40	4.13	6.66	5.57	4.57	4.00
1972-73 DELTA-P		6.34#	-6.55*	1.48	-2.33	-0.30	0.30	5.61#	-22.84#	-21.27#	-18.22#	-9.94#	4.08*	11.20#	-7.85#	-10.40#	-21.89#	6.36	-2.89	3.58	3.78	2.92
1969-70 DELTA-P		1.11	-4.64	4.21	-2.33	-2.09*	2.36*	7.02#	-26.87#	-37.27#	-20.02#	-19.61#	1.22	10.16#	-5.24#	-24.87#	-24.34#	14.64#	-3.58	4.82	3.05	3.30
CHANGE DELTA-P		5.23	-1.91	-2.73	0.00	1.79	-2.06	-1.41	4.03	16.00	1.80	9.67	2.86	1.04	-2.61	14.47	2.45	-8.28*	0.69	-1.24	0.73	-0.38
1972-73 SE OF DP		2.48	2.73	2.81	3.70	0.88	0.88	0.82	2.71	4.32	5.41	4.97	1.73	1.21	1.22	3.64	4.40	3.39	4.35	3.91	3.32	2.28
1969-70 SE OF DP		2.48	2.75	2.37	3.88	0.94	1.04	1.26	2.46	7.15	5.61	4.36	1.43	1.19	1.75	8.58	4.99	2.34	4.57	3.24	3.21	2.34
SE OF CHANGE DELTA-P		3.51	3.87	3.68	5.36	1.29	1.36	1.50	3.66	8.35	7.79	6.61	2.24	1.70	2.13	9.32	6.65	4.12	6.31	5.08	4.62	3.27
RESPONSE: 04 AGE: 9 TEXT: Plan experiments																						
1972-73 P-VALUE	12.51	10.35	14.66	12.36	12.93	14.07	10.94	10.95	19.15	17.76	21.05	21.34	12.30	8.85	13.62	13.08	18.22	9.11	12.88	12.77	11.42	12.63
1969-70 P-VALUE	9.72	9.09	10.88	8.89	10.42	10.95	8.34	7.17	19.02	23.92	10.87	18.20	9.81	5.56	12.36	19.74	21.96	5.94	10.36	6.82	7.40	8.17
CHANGE P-VALUE	2.79*	1.26	3.78	3.47	2.51	3.12	2.60	3.78#	0.13	-6.16	10.18*	3.14	2.49	3.29*	1.26	-6.66	-3.74	3.17	2.52	5.95*	4.02	4.46
1972-73 SE OF P-VAL	0.88	1.44	2.01	1.58	1.99	1.27	1.00	0.88	2.05	4.42	4.16	4.47	1.53	1.09	1.27	3.70	2.39	2.04	2.66	1.92	1.90	1.67
1969-70 SE OF P-VAL	0.87	2.13	1.55	1.39	1.71	1.06	1.11	0.84	2.15	3.15	2.83	3.49	1.50	1.09	1.28	2.80	3.68	1.62	1.93	1.95	2.07	1.72
SE OF CHANGE P-VALUE	1.24	2.57	2.54	2.10	2.62	1.65	1.49	1.22	2.97	5.43	5.03	5.67	2.14	1.54	1.80	4.64	4.39	2.60	3.29	2.74	2.81	2.40
1972-73 DELTA-P		-2.16	2.15	-0.15	0.42	1.56*	-1.57*	-1.56#	6.64#	5.25	8.54*	8.83*	-0.21	-3.66#	1.11	0.57	5.71*	-3.40	0.37	0.26	-1.09	0.12
1969-70 DELTA-P		-0.63	1.16	-0.83	0.70	1.23*	-1.38*	-2.55#	9.30#	14.20#	1.15	8.48#	0.09	-4.16#	2.64*	10.02#	12.24#	-3.78*	0.64	-2.90	-2.32	-1.55
CHANGE DELTA-P		-1.53	0.99	0.68	-0.28	0.33	-0.19	0.99	-2.66	-8.95	7.39	0.35	-0.30	0.50	-1.53	-9.45*	-6.53	0.38	-0.27	3.16	1.23	1.67
1972-73 SE OF DP		1.33	1.69	1.36	1.73	0.73	0.73	0.45	1.83	4.13	3.77	4.26	1.38	0.90	0.92	3.46	2.31	1.98	2.42	1.76	1.87	1.34
1969-70 SE OF DP		1.69	1.52	1.26	1.48	0.60	0.67	0.51	1.97	2.97	2.75	3.35	1.04	0.76	1.11	2.71	3.61	1.64	1.94	1.92	2.00	1.31
SE OF CHANGE DELTA-P		2.15	2.27	1.85	2.28	0.94	0.99	0.68	2.69	5.09	4.67	5.42	1.73	1.18	1.44	4.39	4.29	2.57	3.10	2.60	2.74	1.87
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.31	1.92	5.15	4.72	5.70	3.49	5.13	3.43	7.24	9.02	6.10	3.89	2.59	1.81	7.01	5.60	8.88	4.59	2.42	2.51	4.74	4.27
1969-70 P-VALUE	1.86	1.62	2.68	0.68	2.80	0.95	2.89	1.52	3.29	3.43	1.51	3.35	1.48	0.97	2.90	1.75	3.57	0.59	3.96	0.51	2.15	1.60
CHANGE P-VALUE	2.45#	0.30	2.47	4.04*	2.90	2.54#	2.24*	1.91#	3.95*	5.59*	4.59	0.54	1.11	0.84	4.11#	3.85	5.31	4.00*	-1.54	2.00*	2.59	2.67
1972-73 SE OF P-VAL	0.65	0.81	1.07	1.66	1.32	0.62	0.96	0.70	1.27	2.39	2.51	1.98	1.07	0.57	1.18	2.01	2.49	1.56	0.86	0.79	1.36	1.52
1969-70 SE OF P-VAL	0.27	0.40	0.81	0.28	0.71	0.19	0.55	0.28	0.96	1.26	0.86	1.42	0.53	0.31	0.57	0.80	1.08	0.59	1.25	0.30	0.76	0.40
SE OF CHANGE P-VALUE	0.70	0.90	1.34	1.68	1.50	0.65	1.11	0.75	1.59	2.70	2.65	2.44	1.19	0.65	1.31	2.16	2.71	1.67	1.52	0.85	1.56	1.57
1972-73 DELTA-P		-2.39#	0.84	0.41	1.39	-0.82	0.82	-0.88#	2.93#	4.71*	1.79	-0.42	-1.72	-2.50#	2.70#	1.29	4.57	0.28	-1.89*	-1.80*	0.43	-0.04
1969-70 DELTA-P		-0.24	0.82	-1.18#	0.94	-0.91#	1.03#	-0.34*	1.43	1.57	-0.35	1.49	-0.38	-0.89#	1.04*	-0.11	1.71	-1.27*	2.10	-1.35#	0.29	-0.26
CHANGE DELTA-P		-2.15*	0.02	1.59	0.45	0.09	-0.21	-0.54	1.50	3.14	2.14	-1.91	-1.34	-1.61*	1.66*	1.40	2.86	1.55	-3.99#	-0.45	0.14	0.22
1972-73 SE OF DP		0.84	1.01	1.27	1.20	0.48	0.48	0.32	1.17	2.20	2.47	1.99	0.87	0.71	0.66	1.90	2.38	1.53	0.92	0.89	1.36	1.10
1969-70 SE OF DP		0.38	0.69	0.32	0.58	0.28	0.32	0.14	0.84	1.26	0.86	1.38	0.43	0.32	0.42	0.77	1.06	0.58	1.11	0.36	0.73	0.38
SE OF CHANGE DELTA-P		0.92	1.22	1.31	1.33	0.56	0.58	0.35	1.44	2.54	2.62	2.42	0.97	0.78	0.78	2.05	2.61	1.64	1.44	0.96	1.54	1.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Scientists would have most trouble testing which of these?

○ I have a fever.
○ I weigh 101 pounds.
○ I am 62 inches tall.
○ I can lift a 20-pound box.
● My dog is better than your dog.

○ I don't know.

63

Scientists would have the most trouble testing which of the following?

○ I have a fever.
○ I am 62 inches tall.
○ I weigh 101 pounds.
○ I can lift a 20-pound box.
● My dog is better than your dog.

○ I don't know.

64

NAEP #: 205018-12

72-73 Report #: RU238
69-70 Report #: R157, R242

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: E. Understand and apply the scientific enterprise.

69-70 Obj: III. UNDERSTAND THE INVESTIGATIVE NATURE OF SCIENCE.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	04-12	02-24
69-70 Package-Exercise:	06-03	02-01
72-73 National P-val:		
RU238	40.50	74.53
69-70 National P-value:		
RU238	39.38	72.49

Timing: (in seconds)

	Stimulus:	16	17
	Response:	33	18
	I don't know:	5	5
	Pause:	6	6
RU238	Exercise total:	60	46

EXERCISE: 205018-12   N0238

Scientists would have the most trouble testing which of the following?

RESPONSE: 00   AGE: 9   TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.47	0.84	0.09	0.13	0.10	0.70	0.25	0.26	0.90	2.18	0.59	0.00	0.60	0.08	0.77	1.09	1.53	0.00	0.37	0.28	0.09	0.53
1969-70 P-VALUE	0.49	0.08	1.02	0.24	0.04	0.50	0.48	0.05	3.62	0.00	2.54	0.23	0.30	0.13	0.82	0.13	5.50	0.00	0.36	0.08	0.46	0.12
CHANGE P-VALUE	-0.02	0.76*	-0.93	-0.11	0.06	0.20	-0.23	0.21	-2.72	2.18	-1.95	-0.23	0.30	-0.05	-0.05	0.96	-3.97	0.00	0.01	0.20	-0.37	0.41
1972-73 SE OF P-VAL	0.14	0.32	0.42	0.13	0.10	0.23	0.13	0.12	0.53	1.85	0.59	0.00	0.53	0.08	0.28	0.79	1.36	0.00	0.36	0.28	0.09	0.24
1969-70 SE OF P-VAL	0.25	0.08	1.14	0.24	0.04	0.28	0.26	0.05	1.90	0.00	1.52	0.23	0.22	0.10	0.52	0.14	3.58	0.00	0.36	0.08	0.50	0.10
SE OF CHANGE P-VALUE	0.29	0.33	1.21	0.27	0.11	0.36	0.29	0.13	1.97	1.85	1.64	0.23	0.57	0.13	0.59	0.80	3.83	0.00	0.51	0.29	0.51	0.26
1972-73 DELTA-P		0.37	0.42	-0.36*	-0.37*	0.23	-0.22	-0.21	0.43	1.71	0.12	-0.47#	0.13	-0.39#	0.30	0.62	1.06	-0.47#	-0.10	-0.19	-0.38*	0.06
1969-70 DELTA-P		-0.41	1.33	-0.25	-0.45	0.01	-0.01	-0.44	3.13	-0.49	2.05	-0.26	-0.19	-0.36	0.33	-0.36	5.01	-0.49	-0.13	-0.41	-0.03	-0.37
CHANGE DELTA-P		0.78*	-0.91	-0.09	0.08	0.22	-0.21	0.23	-2.70	2.20	-1.93	-0.21	0.32	-0.03	-0.03	0.98	-3.95	0.02	0.03	0.22	-0.35	0.43
1972-73 SE OF DP		0.27	0.33	0.16	0.15	0.13	0.12	0.14	0.47	1.78	0.57	0.16	0.47	0.13	0.23	0.73	1.30	0.16	0.38	0.37	0.16	0.19
1969-70 SE OF DP		0.25	0.91	0.29	0.25	0.11	0.12	0.24	1.67	0.25	1.38	0.33	0.18	0.24	0.29	0.28	3.36	0.25	0.40	0.25	0.51	0.25
SE OF CHANGE DELTA-P		0.37	0.97	0.33	0.29	0.17	0.17	0.28	1.73	1.80	1.49	0.36	0.50	0.27	0.37	0.78	3.60	0.29	0.52	0.45	0.51	0.31
AGE: 13																						
1972-73 P-VALUE	0.16	0.00	0.31	0.00	0.36	0.32	0.00	0.18	0.13	0.00	0.26	0.42	0.06	0.22	0.00	0.00	0.00	0.00	0.00	0.60	0.14	0.16
1969-70 P-VALUE	0.25	0.09	0.63	0.14	0.24	0.24	0.26	0.02	1.32	1.00	2.17	0.71	0.22	0.04	0.20	1.06	0.93	0.00	0.13	0.00	0.00	0.30
CHANGE P-VALUE	-0.09	-0.09	-0.32	-0.14	0.12	0.08	-0.26*	0.16	-1.19	-1.00	-1.91	-0.29	-0.16	0.18	-0.20	-1.06	-0.93	0.00	-0.13	0.60	0.14	-0.14
1972-73 SE OF P-VAL	0.10	0.00	0.19	0.00	0.36	0.20	0.00	0.12	0.13	0.00	0.26	0.42	0.06	0.22	0.00	0.00	0.00	0.00	0.00	0.58	0.14	0.13
1969-70 SE OF P-VAL	0.10	0.09	0.41	0.14	0.22	0.15	0.13	0.03	0.69	0.76	1.33	0.55	0.16	0.04	0.21	0.88	0.68	0.00	0.15	0.00	0.00	0.21
SE OF CHANGE P-VALUE	0.14	0.09	0.45	0.14	0.42	0.25	0.13	0.12	0.70	0.76	1.36	0.69	0.17	0.22	0.21	0.88	0.68	0.00	0.15	0.58	0.14	0.25
1972-73 DELTA-P		-0.16	0.15	-0.16	0.20	0.16	-0.16	0.02	-0.03	-0.16	0.10	0.26	-0.10	0.06	-0.16	-0.16	-0.16	-0.16	-0.16	0.44	-0.02	0.00
1969-70 DELTA-P		-0.17	0.38	-0.11	-0.01	-0.01	0.01	-0.23*	1.07	0.75	1.92	0.46	-0.03	-0.21*	-0.05	0.81	0.68	-0.25*	-0.12	-0.25*	-0.25*	0.05
CHANGE DELTA-P		0.01	-0.23	-0.05	0.21	0.17	-0.17	0.25#	-1.10	-0.91	-1.82	-0.20	-0.07	0.27	-0.11	-0.97	-0.84	0.09	-0.04	0.69	0.23	-0.05
1972-73 SE OF DP		0.10	0.17	0.10	0.27	0.10	0.10	0.03	0.15	0.10	0.26	0.39	0.11	0.14	0.10	0.10	0.10	0.10	0.10	0.50	0.15	0.13
1969-70 SE OF DP		0.12	0.34	0.14	0.19	0.09	0.08	0.10	0.61	0.71	1.27	0.49	0.15	0.09	0.22	0.82	0.64	0.11	0.16	0.11	0.11	0.16
SE OF CHANGE DELTA-P		0.16	0.38	0.17	0.33	0.13	0.13	0.10	0.63	0.72	1.30	0.63	0.19	0.17	0.24	0.83	0.65	0.15	0.19	0.51	0.19	0.21

RESPONSE: 01   AGE: 9   TEXT: I have a fever.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	16.15	13.74	18.71	16.07	16.10	17.75	14.63	13.85	24.91	25.64	21.30	19.04	15.65	14.72	16.57	18.76	22.74	14.89	16.95	15.48	19.48	13.10
1969-70 P-VALUE	11.51	13.14	11.57	8.61	13.56	13.08	9.87	9.84	16.40	24.99	10.32	12.95	10.95	10.41	13.09	8.63	19.71	9.12	10.86	14.69	10.30	11.29
CHANGE P-VALUE	4.64#	0.60	7.14*	7.46#	2.54	4.67*	4.76#	4.01#	8.51	0.65	10.98	6.09	4.70	4.31*	3.48	10.13#	3.03	5.77	6.09	0.79	9.18	1.81
1972-73 SE OF P-VAL	1.18	2.66	2.65	2.12	1.99	1.43	1.44	1.11	3.00	2.83	4.71	4.24	1.72	1.56	1.61	1.92	3.88	2.77	5.94	2.28	4.23	0.97
1969-70 SE OF P-VAL	0.95	2.23	1.52	1.44	2.17	1.38	1.16	0.89	3.57	3.68	3.03	3.61	1.36	1.27	1.34	2.99	4.36	2.32	2.36	2.91	1.88	1.64
SE OF CHANGE P-VALUE	1.51	3.47	3.05	2.56	2.94	1.96	1.85	1.42	4.66	4.64	5.60	5.57	2.61	2.01	2.75	3.55	5.84	3.61	6.39	3.70	4.63	1.91
1972-73 DELTA-P		-2.41	2.56	-0.08	-0.05	1.60	-1.52	-2.30#	8.76#	9.49#	5.15	2.89	-0.50	-1.43	0.42	2.61	6.59	-1.26	0.80	-0.67	3.33	-3.05#
1969-70 DELTA-P		1.63	0.06	-2.90*	2.05	1.57	-1.64	-1.67#	4.89	13.48#	-1.19	1.44	-0.56	-1.10	1.58	-2.88	8.20	-2.39	-0.65	3.18	-1.21	-0.22
CHANGE DELTA-P		-4.04	2.50	2.82	-2.10	0.03	0.12	-0.63	3.87	-3.99	6.34	1.45	0.06	-0.33	-1.16	5.49	-1.61	1.13	1.45	-3.85	4.54	-2.83
1972-73 SE OF DP		2.27	2.27	1.80	1.87	0.83	0.80	0.58	2.45	2.70	4.20	4.31	1.57	1.03	0.95	2.00	3.65	2.65	5.40	2.20	3.70	1.22
1969-70 SE OF DP		1.86	1.49	1.27	1.84	0.81	0.84	0.59	3.19	3.38	2.82	3.58	1.54	0.96	0.99	2.93	4.20	2.12	2.28	2.72	1.89	1.29
SE OF CHANGE DELTA-P		2.93	2.72	2.20	2.62	1.16	1.16	0.83	4.02	4.33	5.06	5.60	2.20	1.81	1.37	3.55	5.56	3.39	5.86	3.50	4.15	1.78

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205018-12 R0238

Scientists would have the most trouble testing which of the following?

RESPONSE: 01 AGE: 13 TEXT: I have a fever.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.75	6.40	9.02	7.01	8.76	8.08	7.43	6.77	10.64	14.68	14.41	13.98	6.61	5.82	8.65	9.82	11.63	8.80	6.99	6.45	8.44	6.55
1969-70 P-VALUE	6.38	5.18	9.33	6.88	4.58	7.73	5.19	5.02	13.07	10.50	8.06	5.33	6.87	6.04	7.16	8.20	12.01	5.11	8.57	6.95	4.20	5.59
CHANGE P-VALUE	1.37	1.22	-0.31	0.13	4.18#	0.35	2.24	1.75	-2.43	4.18	6.35	8.65#	-0.26	-0.22	1.49	1.62	-0.38	3.69	-1.58	-0.50	4.24*	0.96
1972-73 SE OF P-VAL	0.66	1.51	1.58	0.85	1.29	0.81	0.77	0.73	1.76	3.70	3.78	2.47	0.97	0.80	1.36	2.49	2.94	2.85	2.17	1.79	1.45	1.04
1969-70 SE OF P-VAL	0.70	1.13	1.22	1.89	0.86	0.96	0.94	0.72	1.86	2.21	2.31	1.40	1.15	1.02	2.17	2.08	2.32	1.30	3.78	2.13	1.40	0.90
SE OF CHANGE P-VALUE	0.96	1.89	2.00	2.07	1.55	1.26	1.22	1.03	2.56	4.31	4.43	2.84	1.50	1.30	2.56	3.24	3.75	3.13	4.36	2.78	2.02	1.38
1972-73 DELTA-P		-1.35	1.27	-0.74	1.01	0.33	-0.32	-0.98*	2.89	6.93	6.66	6.23#	-1.14	-1.93#	0.90	2.07	3.88	1.05	-0.76	-1.30	0.69	-1.20
1969-70 DELTA-P		-1.20	2.95*	0.50	-1.80	1.35*	-1.19	-1.36#	6.69#	4.12*	1.68	-1.05	0.49	-0.34	0.78	1.82	5.63#	-1.27	2.19	0.57	-2.18	-0.79
CHANGE DELTA-P		-0.15	-1.68	-1.24	2.81	-1.02	0.87	0.39	-3.80	2.81	4.98	7.28#	-1.63	-1.59	0.12	0.25	-1.75	2.32	-2.95	-1.87	2.87	-0.41
1972-73 SE OF DP		1.26	1.34	0.86	1.13	0.44	0.43	0.42	1.64	3.54	3.60	2.20	0.88	0.59	1.26	2.32	2.82	2.62	2.00	1.73	1.47	0.99
1969-70 SE OF DP		1.05	1.19	1.41	0.94	0.65	0.60	0.35	1.68	1.98	2.36	1.24	0.93	0.62	2.15	2.15	2.16	1.35	3.38	1.99	1.31	0.89
SE OF CHANGE DELTA-P		1.64	1.79	1.65	1.47	0.78	0.74	0.55	2.35	4.06	4.30	2.53	1.28	0.86	2.49	3.16	3.55	2.95	3.93	2.64	1.97	1.33

RESPONSE: 02 AGE: 9 TEXT: I weigh 101 pounds.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.28	6.49	9.85	6.44	10.81	7.05	9.45	7.10	13.49	11.39	10.46	8.01	8.55	5.62	10.11	7.81	10.00	3.74	11.15	9.28	8.16	8.43
1969-70 P-VALUE	6.56	6.91	5.60	7.58	5.74	7.06	6.04	6.31	8.40	6.13	6.21	10.81	5.95	7.02	5.87	5.25	7.20	6.76	5.81	6.70	6.12	6.99
CHANGE P-VALUE	1.72	-0.42	4.25*	-1.14	5.07*	-0.01	3.41#	0.79	5.09*	5.26	4.25	-2.80	2.60	-1.40	4.24#	2.56	2.80	-3.02	5.34	2.58	2.04	1.44
1972-73 SE OF P-VAL	0.70	1.19	1.39	1.09	1.72	0.75	1.01	0.80	1.93	2.67	2.78	2.42	1.36	0.79	1.03	2.26	2.95	1.18	2.09	2.08	1.85	1.22
1969-70 SE OF P-VAL	0.61	0.98	1.42	1.27	1.22	0.89	0.88	0.70	1.41	1.89	2.50	4.20	1.13	1.18	1.16	1.62	2.28	1.74	1.74	1.77	2.12	1.18
SE OF CHANGE P-VALUE	0.93	1.54	1.99	1.67	2.11	1.16	1.34	1.06	2.39	3.27	3.74	4.85	1.77	1.42	1.55	2.78	3.73	2.08	2.72	2.73	2.81	1.67
1972-73 DELTA-P		-1.79	1.57	-1.84	2.53	-1.23*	1.17*	-1.18#	5.21#	3.11	2.18	-0.27	0.27	-2.66#	1.83#	-0.47	1.72	-4.54#	2.87	1.00	-0.12	0.15
1969-70 DELTA-P		0.35	-0.96	1.02	-0.82	0.50	-0.52	-0.25	1.84	-0.43	-0.35	4.25	-0.61	0.46	-0.69	-1.31	0.64	0.20	-0.75	0.14	-0.44	0.43
CHANGE DELTA-P		-2.14	2.53	-2.86*	3.35	-1.73*	1.69	-0.93*	3.37	3.54	2.53	-4.52	0.88	-3.12#	2.52	0.84	1.08	-4.74*	3.62	0.86	0.32	-0.28
1972-73 SE OF DP		1.09	1.22	0.99	1.41	0.56	0.54	0.36	1.77	2.70	2.73	2.32	1.09	0.66	0.64	2.15	2.79	1.16	2.18	1.91	1.72	0.94
1969-70 SE OF DP		0.93	1.24	1.0[illegible]	1.12	0.62	0.65	0.23	1.39	1.90	2.52	4.01	1.07	0.82	1.15	1.60	2.22	1.62	1.72	1.66	2.01	0.91
SE OF CHANGE DELTA-P		1.43	1.74	1.42	1.80	0.84	0.85	0.43	2.25	3.30	3.72	4.63	1.53	1.05	1.32	2.68	3.57	1.99	2.75	2.53	2.65	1.31

RESPONSE: 02 AGE: 13 TEXT: I am 62 inches tall.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.34	2.65	8.06	5.16	5.70	4.44	6.22	2.82	16.63	14.27	9.03	5.16	6.21	2.34	10.22	8.86	14.07	1.97	3.85	2.80	6.50	4.93
1969-70 P-VALUE	4.07	3.97	5.80	2.92	4.07	2.99	5.05	2.61	11.07	8.84	3.63	8.74	4.92	2.05	8.19	5.88	9.87	1.23	5.37	3.61	2.35	4.20
CHANGE P-VALUE	1.27	-1.32	2.26	2.24	1.63	1.45	1.17	0.21	5.56	5.43*	5.40	-3.58	1.29	0.29	2.03	2.98	4.20	0.74	-1.52	-0.81	4.15	0.73
1972-73 SE OF P-VAL	0.61	0.70	1.59	1.29	1.10	0.56	0.94	0.58	2.05	1.97	2.36	1.64	1.12	0.43	1.82	2.69	2.13	0.95	1.18	0.95	2.02	0.95
1969-70 SE OF P-VAL	0.47	0.87	1.19	0.88	0.86	0.54	0.80	0.39	2.11	1.81	2.18	2.51	1.01	0.47	2.04	2.07	3.28	0.69	1.69	1.28	[illegible]	0.80
SE OF CHANGE P-VALUE	0.77	1.12	1.99	1.56	1.40	0.78	1.23	0.70	2.94	2.68	3.21	3.00	1.51	0.64	2.73	3.24	3.91	1.17	2.06	1.59	2.1[illegible]	1.24
1972-73 DELTA-P		-2.69#	2.72*	-0.18	0.36	-0.90	0.88	-2.52#	11.29#	8.93#	3.69	-0.18	0.87	-3.00#	4.88#	3.52	8.73#	-3.37#	-1.49	-2.54#	1.16	-0.41
1969-70 DELTA-P		-0.10	1.73	-1.15	0.00	-1.08*	0.98*	-1.46#	7.00#	4.77#	-0.44	4.67	0.85	-2.02#	4.12*	1.81	5.80	-2.84#	1.30	-0.46	-1.72*	0.13
CHANGE DELTA-P		-2.59*	0.99	0.97	0.36	0.18	-0.10	-1.06*	4.29	4.16	4.13	-4.85	0.02	-0.98	0.76	1.71	2.93	-0.53	-2.79	-2.08	2.88	-0.54
1972-73 SE OF DP		0.77	1.33	1.04	0.99	0.48	0.47	0.40	1.87	1.89	2.10	1.68	0.88	0.57	1.44	2.18	2.10	1.04	1.28	1.00	1.79	0.75
1969-70 SE OF DP		0.77	1.01	0.75	0.78	0.52	0.49	0.34	1.92	1.66	2.22	2.37	0.80	0.47	1.93	1.99	3.14	0.78	1.64	1.19	0.77	0.71
SE OF CHANGE DELTA-P		1.09	1.67	1.28	1.26	0.71	0.68	0.52	2.68	2.52	3.06	2.91	1.19	0.74	2.41	2.95	3.78	1.28	2.08	1.55	1.95	1.03

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205018-12 RU238

Scientists would have the most trouble testing which of the following?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01 AGE: 9 TEXT: I am 62 inches tall.																						
1972-73 P-VALUE	13.52	13.91	12.58	14.96	12.28	13.72	13.33	13.04	15.64	14.73	16.56	16.15	14.87	13.01	12.48	13.68	18.12	11.92	16.53	13.32	13.53	12.25
1969-70 P-VALUE	13.78	14.51	12.68	14.86	12.62	11.94	15.70	13.24	17.05	14.41	12.36	18.76	17.22	12.50	[illegible]2.41	16.19	12.10	13.84	20.66	9.51	9.59	14.06
CHANGE P-VALUE	-0.26	-0.60	-0.10	0.10	-0.34	1.78	-2.37	-0.20	-1.41	0.32	4.20	-2.61	-2.35	0.51	0.07	-2.51	6.02	-1.92	-4.13	3.81	3.94	-1.81
1972-73 SE OF P-VAL	0.82	1.57	1.61	1.91	1.23	0.92	1.20	0.99	1.84	3.03	3.58	3.27	1.33	1.35	1.40	2.29	3.91	2.32	2.10	2.29	2.80	1.58
1969-70 SE OF P-VAL	0.91	1.97	2.04	1.63	1.61	0.94	1.41	0.98	2.19	2.87	3.42	4.15	1.97	1.31	1.41	1.49	2.85	2.51	2.18	2.73	2.65	1.44
SE OF CHANGE P-VALUE	1.22	2.52	2.60	2.51	2.03	1.32	1.85	1.39	2.86	4.17	4.95	5.28	2.38	1.88	1.99	4.17	4.84	3.42	3.03	3.56	3.86	2.14
1972-73 DELTA-P		0.39	-0.94	1.44	-1.24	0.20	-0.19	-0.48	2.12	1.21	3.04	2.63	1.35	-0.51	-1.04	0.16	4.60	-1.60	3.01	-0.20	0.01	-1.27
1969-70 DELTA-P		0.73	-1.10	1.08	-1.16	-1.84*	1.92*	-0.54	3.27	0.63	-1.42	4.98	3.44*	-1.28	-1.37	2.41	-1.68	0.06	6.88#	-4.27	-4.19	0.28
CHANGE DELTA-P		-0.34	0.16	0.36	-0.08	2.04	-2.11*	0.06	-1.15	0.58	4.46	-2.35	-2.09	0.77	0.33	-2.25	6.28	-1.66	-3.87	4.07	4.20	-1.55
1972-73 SE OF DP		1.40	1.42	1.49	1.22	0.71	0.68	0.34	1.91	3.00	3.54	3.14	1.19	1.11	1.04	2.13	3.77	2.24	2.16	2.27	2.58	1.31
1969-70 SE OF DP		1.69	1.77	1.36	1.47	0.76	0.79	0.38	1.98	2.84	3.46	4.04	1.58	1.03	1.13	3.38	2.85	2.31	2.15	2.56	2.43	1.16
SE OF CHANGE DELTA-P		2.19	2.27	2.02	1.91	1.04	1.04	0.51	2.75	4.13	4.95	5.12	1.98	1.51	1.54	4.00	4.73	3.22	3.05	3.42	3.54	1.75
RESPONSE: 03 AGE: 13 TEXT: I weigh 101 pounds.																						
1972-73 P-VALUE	1.26	1.14	2.08	0.78	1.18	1.02	1.50	0.71	4.13	2.28	2.12	1.01	1.25	0.83	2.19	0.62	2.87	0.61	0.84	0.52	1.10	1.94
1969-70 P-VALUE	1.72	1.00	3.64	1.07	1.62	1.84	1.56	1.26	4.63	2.07	4.31	2.86	1.93	1.08	2.29	3.29	3.94	0.99	2.83	0.85	0.99	1.53
CHANGE P-VALUE	-0.46	0.14	-1.56	-0.29	-0.44	-0.82	-0.06	-0.55	-0.50	0.21	-2.19	-1.85	-0.68	-0.25	-0.10	-2.67	-1.07	-0.38	-1.99	-0.33	0.11	0.41
1972-73 SE OF P-VAL	0.27	0.53	0.70	0.39	0.56	0.34	0.36	0.24	1.15	0.83	1.15	0.51	0.46	0.28	0.82	0.43	1.07	0.58	0.79	0.30	0.65	0.65
1969-70 SE OF P-VAL	0.30	0.47	1.04	0.37	0.53	0.38	0.35	0.28	1.14	1.09	1.90	1.05	0.53	0.30	1.10	1.41	1.26	0.68	0.84	0.52	0.39	0.55
SE OF CHANGE P-VALUE	0.40	0.71	1.25	0.54	0.77	0.51	0.50	0.37	1.62	1.37	2.22	1.17	0.70	0.41	1.37	1.47	1.65	0.89	1.15	0.60	0.76	0.85
1972-73 DELTA-P		-0.12	0.82	-0.48	-0.08	-0.24	0.24	-0.55#	2.87#	1.02	0.86	-0.25	-0.01	-0.43	0.93	-0.64	1.61	-0.65	-0.42	-0.74	-0.16	0.68
1969-70 DELTA-P		-0.72	1.92*	-0.65	-0.10	0.12	-0.16	-0.46#	2.91#	0.35	2.59	1.14	0.21	-0.64*	0.57	1.57	2.22	-0.73	1.11	-0.87	-0.73	-0.19
CHANGE DELTA-P		0.60	-1.10	0.17	0.02	-0.36	0.40	-0.09	-0.04	0.67	-1.73	-1.39	-0.22	0.21	0.36	-2.21	-0.61	0.06	-1.53	0.13	0.57	0.87
1972-73 SE OF DP		0.46	0.59	0.37	0.48	0.23	0.23	0.18	1.00	0.82	1.10	0.46	0.35	0.24	0.72	0.46	1.02	0.55	0.74	0.39	0.64	0.48
1969-70 SE OF DP		0.44	0.87	0.38	0.48	0.22	0.20	0.16	1.02	1.04	1.84	0.89	0.43	0.27	1.02	1.32	1.19	0.66	0.77	0.54	0.41	0.42
SE OF CHANGE DELTA-P		0.64	1.05	0.53	0.68	0.32	0.30	0.24	1.43	1.32	2.14	1.00	0.55	0.36	1.25	1.40	1.57	0.86	1.07	0.67	0.76	0.64
RESPONSE: 04 AGE: 9 TEXT: I can lift a 20-pound box.																						
1972-73 P-VALUE	11.65	12.67	13.56	8.96	12.04	10.52	12.72	11.87	12.00	7.92	11.30	24.37	13.08	11.27	9.67	10.93	11.57	13.70	9.04	6.82	11.68	13.83
1969-70 P-VALUE	13.10	12.96	14.13	13.15	12.25	12.52	13.70	12.88	14.47	13.23	19.65	12.58	13.82	11.59	13.60	10.73	15.20	11.26	15.71	13.93	11.48	13.46
CHANGE P-VALUE	-1.45	-0.29	-0.57	-4.19	-0.21	-2.00	-0.98	-1.01	-2.47	-5.31	-8.35	11.79*	-0.74	-0.32	-3.93*	0.20	-3.63	2.44	-6.67*	-7.11	0.20	0.37
1972-73 SE OF P-VAL	0.86	2.39	1.49	1.44	1.44	1.16	1.22	1.03	1.47	1.70	3.47	4.59	1.45	1.51	1.05	2.24	2.71	3.66	1.97	1.38	2.26	1.31
1969-70 SE OF P-VAL	1.11	1.61	2.22	2.79	1.55	1.34	1.42	1.31	1.72	3.09	4.06	3.47	1.64	1.55	1.33	3.49	3.24	2.87	2.47	5.69	3.02	1.45
SE OF CHANGE P-VALUE	1.40	2.88	2.67	3.14	2.12	1.77	1.87	1.67	2.26	3.53	5.34	5.75	2.19	2.16	1.69	4.15	4.22	4.65	3.16	5.85	3.77	1.95
1972-73 DELTA-P		1.02	1.91	-2.69*	0.39	-1.13	1.07	0.22	0.35	-3.73*	-0.35	12.72#	1.43	-0.38	-1.98*	-0.72	-0.08	2.05	-2.61	-4.83#	0.03	2.18
1969-70 DELTA-P		-0.14	1.03	0.05	-0.85	-0.58	0.60	-0.22	1.37	0.13	6.55	-0.52	0.72	-1.51	0.50	-2.37	2.10	-1.84	2.61	0.83	-1.62	0.36
CHANGE DELTA-P		1.16	0.88	-2.74	1.24	-0.55	0.47	0.44	-1.02	-3.86	-6.90	13.24*	0.71	1.13	-2.48	1.65	-2.18	3.89	-5.22	-5.66	1.65	1.82
1972-73 SE OF DP		1.93	1.38	1.28	1.36	0.84	0.80	0.30	1.50	1.76	3.42	4.35	1.06	1.16	0.92	2.08	2.68	3.29	1.85	1.49	2.08	1.10
1969-70 SE OF DP		1.61	2.03	2.07	1.59	0.79	0.83	0.38	1.89	3.03	3.93	3.22	1.33	0.88	0.94	3.34	3.22	2.76	2.47	5.08	2.90	1.31
SE OF CHANGE DELTA-P		2.51	2.45	2.43	2.09	1.15	1.15	0.48	2.41	3.50	5.21	5.41	1.70	1.46	1.32	3.93	4.19	4.29	3.09	5.29	3.57	1.71

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
EXERCISE: 205018-12 R0238																						
Scientists would have the most trouble testing which of the following?																						
RESPONSE: 04 AGE: 13 TEXT: I can lift a 20-pound box.																						
1972-73 P-VALUE	5.42	6.55	4.54	5.55	4.98	6.23	4.62	5.07	7.33	5.89	8.12	3.66	6.87	4.55	4.94	10.12	7.21	3.03	7.21	3.05	5.14	4.95
1969-70 P-VALUE	7.90	7.23	10.12	7.78	6.89	6.85	8.81	7.80	9.94	5.67	6.76	4.47	8.90	7.97	8.49	3.89	8.69	6.40	8.19	4.21	7.97	10.38
CHANGE P-VALUE	-2.48#	-0.68	-5.58#	-2.23	-1.91	-0.62	-4.19#	-2.73#	-2.61	0.22	1.36	-0.81	-2.03	-3.42#	-3.55	6.23*	-1.48	-3.37	-0.98	-1.16	-2.83	-5.43#
1972-73 SE OF P-VAL	0.52	1.04	0.98	0.81	1.30	0.83	0.69	0.50	1.76	1.52	1.76	1.15	0.98	0.76	1.28	2.14	2.00	1.01	2.16	1.24	1.21	0.69
1969-70 SE OF P-VAL	0.72	1.65	1.29	1.54	1.15	0.76	1.00	0.87	1.96	2.40	2.54	1.34	1.08	1.10	2.64	1.57	2.07	1.47	1.89	1.15	2.27	1.36
SE OF CHANGE P-VALUE	0.89	1.95	1.62	1.74	1.74	1.13	1.21	1.00	2.63	2.84	3.09	1.77	1.46	1.34	2.93	2.65	2.88	1.78	2.87	1.69	2.57	1.53
1972-73 DELTA-P		1.13	-0.88	0.13	-0.44	0.81	-0.80	-0.35	1.91	0.47	2.70	-1.76	1.45	-0.87	-0.48	4.70*	1.79	-2.39*	1.79	-2.37*	-0.28	-0.47
1969-70 DELTA-P		-0.67	2.22	-0.12	-1.01	-1.05	0.91	-0.10	2.04	-2.23	-1.14	-3.43*	1.00	0.07	0.59	-4.01#	0.79	-1.50	0.29	-3.69#	0.07	2.48*
CHANGE DELTA-P		1.80	-3.10*	0.25	0.57	1.86*	-1.71*	-0.25	-0.13	2.70	3.84	1.67	0.45	-0.94	-1.07	8.71#	1.00	-0.89	1.50	1.32	-0.35	-2.95*
1972-73 SE OF DP		0.91	0.89	0.74	1.06	0.56	0.55	0.28	1.56	1.32	1.64	1.00	0.80	0.63	1.16	2.03	1.88	1.01	1.88	1.13	1.23	0.70
1969-70 SE OF DP		1.36	1.22	1.25	1.10	0.56	0.51	0.36	1.92	2.39	2.53	1.36	0.95	0.69	2.43	1.60	2.07	1.48	1.83	1.19	1.90	1.10
SE OF CHANGE DELTA-P		1.64	1.51	1.45	1.53	0.79	0.75	0.46	2.47	2.73	3.02	1.70	1.24	0.93	2.69	2.58	2.80	1.79	2.62	1.64	2.26	1.30
RESPONSE: 05* AGE: 9 TEXT: My dog is better than your dog.																						
1972-73 P-VALUE	40.50	43.92	35.15	43.24	39.03	40.98	40.05	44.70	22.16	28.78	30.99	28.47	40.81	47.93	36.86	34.76	21.66	49.86	38.87	44.74	39.70	41.76
1969-70 P-VALUE	39.38	38.39	36.95	42.40	38.66	40.19	38.54	42.60	24.87	24.42	22.61	33.62	39.52	45.40	35.29	47.20	21.68	43.84	31.04	41.56	49.00	37.60
CHANGE P-VALUE	1.12	5.53	-1.80	0.84	0.37	0.79	1.51	2.10	-2.71	4.36	8.38	-5.15	1.29	2.53	1.57	-12.44	-0.02	6.02	7.83	3.18	-9.30	4.16
1972-73 SE OF P-VAL	1.60	3.90	2.73	2.33	3.70	2.10	1.87	1.67	2.71	3.78	4.85	4.48	2.75	2.45	2.21	3.43	3.76	5.61	5.58	2.84	3.48	2.71
1969-70 SE OF P-VAL	1.81	3.10	4.12	3.41	3.84	1.99	2.44	2.00	3.67	3.53	5.47	5.30	2.15	2.54	2.76	10.80	3.90	5.97	4.97	4.55	4.65	2.51
SE OF CHANGE P-VALUE	2.42	4.98	4.94	4.13	5.33	2.89	3.07	2.61	4.56	5.17	7.31	6.94	3.49	3.53	3.54	11.33	5.42	8.19	7.47	5.36	5.81	3.69
1972-73 DELTA-P		3.42	-5.35*	2.74	-1.47	0.48	-0.45	4.20#	-18.34#	-11.72#	-9.51*	-12.03#	0.31	7.43#	-3.64*	-5.74	-18.84#	9.36	-1.63	4.24	-0.80	1.26
1969-70 DELTA-P		-0.99	-2.43	3.02	-0.72	0.81	-0.84	3.22#	-14.51#	-14.96#	-16.77#	-5.76	0.14	6.02#	-4.09*	7.82	-17.70#	4.46	-8.34	2.18	9.62*	-1.78
CHANGE DELTA-P		4.41	-2.92	-0.28	-0.75	-0.33	0.39	0.98	-3.83	3.24	7.26	-6.27	0.17	1.41	0.45	-13.56	-1.14	4.90	6.71	2.06	-10.42	3.04
1972-73 SE OF DP		3.23	2.57	2.16	3.12	1.22	1.15	0.79	2.73	3.49	4.60	4.79	2.06	1.89	1.55	3.58	4.02	5.04	5.18	2.80	3.30	2.24
1969-70 SE OF DP		2.87	3.60	2.80	3.35	1.27	1.31	0.77	3.80	3.47	5.36	5.38	1.89	1.54	1.87	10.16	4.07	5.52	4.71	4.40	4.26	2.56
SE OF CHANGE DELTA-P		4.32	4.42	3.54	4.59	1.76	1.74	1.10	4.68	4.92	7.06	7.20	2.80	2.44	2.43	10.77	5.72	7.47	7.00	5.22	5.39	3.40
AGE: 13																						
1972-73 P-VALUE	74.53	76.89	71.37	75.91	73.52	75.21	73.87	80.40	49.92	49.98	58.89	69.45	74.32	82.95	62.14	64.84	48.85	83.07	74.82	81.57	73.60	76.76
1969-70 P-VALUE	72.49	76.45	64.05	72.72	75.11	73.25	71.88	77.36	50.19	54.91	55.95	69.25	69.78	78.10	59.30	66.23	53.50	81.53	69.22	76.51	76.23	72.10
CHANGE P-VALUE	2.04	0.44	7.32	3.19	-1.59	1.96	1.99	3.04	-0.27	-4.93	2.94	0.20	4.54	4.85#	2.84	-1.39	-4.65	1.54	5.60	5.06	-2.63	4.66
1972-73 SE OF P-VAL	1.27	1.85	2.94	2.61	2.54	1.49	1.63	1.07	3.15	5.60	5.51	3.29	1.91	1.10	2.94	4.83	5.27	3.29	2.74	2.10	4.42	1.65
1969-70 SE OF P-VAL	1.29	2.07	2.83	2.80	2.66	1.48	1.58	1.27	2.63	3.75	6.48	3.94	2.20	1.54	3.60	7.07	5.11	3.36	5.24	3.35	2.36	2.08
SE OF CHANGE P-VALUE	1.81	2.78	4.08	3.83	3.68	2.10	2.27	1.66	4.10	6.74	8.51	5.13	2.91	1.89	4.65	8.56	7.34	4.70	5.91	3.95	5.01	2.65
1972-73 DELTA-P		2.36	-3.16	1.38	-1.01	0.68	-0.66	5.87#	-24.61#	-24.55#	-15.64#	-5.08	-0.21	8.42#	-12.39#	-9.69*	-25.68#	8.54#	0.29	7.04#	-0.93	2.23
1969-70 DELTA-P		3.96*	-8.44#	0.23	2.62	0.76	-0.61	4.87#	-22.30#	-17.58#	-16.54#	-3.24	-2.71	5.61#	-13.19#	-6.26	-18.99#	9.04#	-3.27	4.02	3.74	-0.39
CHANGE DELTA-P		-1.60	5.28	1.15	-3.63	-0.08	-0.05	1.00	-2.31	-6.97	0.90	-1.84	2.50	2.81	0.80	-3.43	-6.69	-0.50	3.56	3.02	-4.67	2.62
1972-73 SE OF DP		1.82	2.53	2.12	2.21	0.92	0.91	0.93	2.79	5.23	4.94	3.34	1.40	1.21	2.41	4.29	5.08	3.29	2.82	2.24	3.91	1.53
1969-70 SE OF DP		1.92	2.61	2.26	2.29	0.87	0.78	0.76	2.77	3.36	6.22	3.38	1.75	1.20	3.45	6.58	5.05	3.29	4.89	3.31	2.25	1.93
SE OF CHANGE DELTA-P		2.65	3.63	3.10	3.18	1.27	1.20	1.20	3.93	6.22	7.94	4.75	2.24	1.70	4.21	7.85	7.16	4.65	5.64	4.00	4.51	2.46

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205018-12 RU238

Scientists would have the most trouble testing which of the following?

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.43	8.44	9.25	10.21	9.64	9.29	9.57	9.17	10.90	9.36	8.80	3.96	6.44	7.36	13.55	12.97	14.40	5.89	7.10	10.08	7.35	10.09
1969-70 P-VALUE	15.17	14.00	17.23	13.16	17.12	14.70	15.66	15.05	15.19	16.82	26.30	11.04	12.23	12.93	18.91	11.85	18.60	15.17	15.55	13.51	13.02	16.47
CHANGE P-VALUE	-5.74#	-5.56#	-7.98*	-2.95	-7.48*	-5.41#	-6.09#	-5.88#	-4.29	-7.46	-17.50#	-7.08	-5.79#	-5.57#	-5.36*	1.12	-4.20	-9.28*	-8.45#	-3.43	-5.67	-6.38#
1972-73 SE OF P-VAL	0.78	1.03	1.38	1.93	1.47	1.06	1.07	0.83	1.40	2.16	2.75	1.89	1.13	0.97	1.47	2.66	2.18	1.97	1.41	2.62	1.73	1.31
1969-70 SE OF P-VAL	1.12	1.43	2.96	1.82	2.65	1.60	1.58	1.23	2.88	3.39	6.25	3.15	1.72	1.59	1.82	3.44	4.38	3.90	2.58	3.06	2.99	1.92
SE OF CHANGE P-VALUE	1.36	1.76	3.27	2.65	3.03	1.92	1.91	1.48	3.20	4.02	6.83	3.67	2.06	1.86	2.34	4.35	4.89	4.37	2.94	4.03	3.45	2.32
1972-73 DELTA-P		-0.99	-0.18	0.78	0.21	-0.14	0.14	-0.26	1.47	-0.07	-0.63	-5.47#	-2.99#	-2.07*	4.12#	3.54	4.97*	-3.54	-2.33	0.65	-2.08	0.66
1969-70 DELTA-P		-1.17	2.06	-2.01	1.95	-0.47	0.49	-0.12	0.02	1.65	11.13	-4.13	-2.94*	-2.24	3.74#	-3.32	3.43	0.00	0.38	-1.66	-2.15	1.30
CHANGE DELTA-P		0.18	-2.24	2.79	-1.74	0.33	-0.35	-0.14	1.45	-1.72	-11.76	-1.34	-0.05	0.17	0.38	6.86	1.54	-3.54	-2.71	2.31	0.07	-0.64
1972-73 SE OF DP		1.07	1.27	1.47	1.32	0.75	0.71	0.23	1.19	2.10	2.58	1.82	1.14	0.91	0.91	2.65	2.00	1.78	1.44	2.27	1.66	1.12
1969-70 SE OF DP		1.52	2.50	1.57	2.22	1.11	1.15	0.44	2.64	3.37	6.22	3.11	1.45	1.17	1.22	3.53	4.29	3.44	2.51	2.94	2.79	1.55
SE OF CHANGE DELTA-P		1.86	2.80	2.15	2.58	1.34	1.35	0.50	2.90	3.97	6.73	3.60	1.84	1.48	1.52	4.41	4.73	3.87	2.89	3.71	3.25	1.91

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.55	6.37	4.63	5.62	5.51	4.71	6.38	4.07	11.24	12.91	7.18	6.34	4.69	3.31	11.87	5.75	15.38	2.54	6.31	5.02	5.10	4.71
1969-70 P-VALUE	7.15	6.04	6.39	8.45	7.46	7.05	7.21	5.88	9.75	16.97	19.09	8.60	7.34	4.67	14.32	11.40	11.01	4.70	5.64	7.84	8.23	5.85
CHANGE P-VALUE	-1.60	0.33	-1.76	-2.83	-1.95	-2.34	-0.83	-1.81	1.49	-4.06	-11.91	-2.26	-2.65	-1.36	-2.45	-5.65	4.37	-2.16	0.67	-2.82	-3.13	-1.14
1972-73 SE OF P-VAL	0.60	1.22	0.94	1.25	1.29	0.76	0.82	0.57	2.10	3.28	2.09	1.65	0.91	0.65	1.91	2.45	3.74	1.50	1.29	1.70	1.80	0.79
1969-70 SE OF P-VAL	0.77	1.39	1.80	1.58	1.29	1.07	1.04	0.71	2.02	3.22	5.92	1.94	1.37	0.85	3.46	4.19	2.43	1.56	1.85	2.25	2.02	1.12
SE OF CHANGE P-VALUE	0.98	1.85	2.03	2.01	1.82	1.31	1.32	0.91	2.91	4.60	6.28	2.55	1.64	1.07	3.95	4.85	4.46	2.16	2.26	2.82	2.71	1.37
1972-73 DELTA-P		0.82	-0.92	0.07	-0.04	-0.84	0.83	-1.48#	5.69#	7.36*	1.63	0.79	-0.86	-2.24#	6.32#	0.20	9.83#	-3.01*	0.76	-0.53	-0.45	-0.84
1969-70 DELTA-P		-1.11	-0.76	1.30	0.31	-0.10	0.06	-1.27#	2.60	9.82#	11.94*	1.45	0.19	-2.48#	7.17*	4.25	3.86	-2.45	-1.51	0.69	1.08	-1.30
CHANGE DELTA-P		1.93	-0.16	-1.23	-0.35	-0.74	0.77	-0.21	3.09	-2.46	-10.31	-0.66	-1.05	0.24	-0.85	-4.05	5.97	-0.56	2.27	-1.22	-1.53	0.46
1972-73 SE OF DP		1.06	0.91	1.02	1.10	0.52	0.51	0.40	1.90	3.15	2.03	1.54	0.79	0.62	1.54	2.29	3.59	1.41	1.46	1.53	1.64	0.77
1969-70 SE OF DP		1.23	1.58	1.27	1.20	0.75	0.68	0.42	1.93	2.88	5.55	1.83	0.99	0.87	3.25	3.88	2.37	1.59	1.80	2.13	1.78	1.00
SE OF CHANGE DELTA-P		1.62	1.82	1.63	1.63	0.91	0.85	0.58	2.71	4.27	5.91	2.39	1.27	1.07	3.60	4.51	4.30	2.13	2.32	2.62	2.42	1.26

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

When a scientist takes many measurements during an experiment and studies the results carefully, what is he probably doing?

○ Changing a theory into a law
○ Changing a law into a theory
○ Making work for a computer to prevent its being idle
○ Trying to correct a mistake he has made in arithmetic
● Seeking for relationships among the measurements he has obtained

○ I don't know.

NAEP #: 205021-2

72-73 Report #: RU239
69-70 Report #: U769

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: E. Understand and apply the scientific enterprise.

69-70 Obj: III. UNDERSTAND THE INVESTIGATIVE NATURE OF SCIENCE.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	03-02
69-70 Package-Exercise:	03-09
72-73 National P-val:	
RU239	62.08
69-70 National P-value:	
RU239	66.59

Timing: (in seconds)

	Stimulus:	26
	Response:	9
	I don't know:	5
	Pause:	6
RU239	Exercise total:	46

EXERCISE: 205021-2 B0239

When a scientist takes many measurements during an experiment and studies the results carefully, what is he probably doing?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.21	0.14	0.27	0.42	0.00	0.13	0.29	0.26	0.00	0.00	0.00	0.00	0.37	0.07	0.50	0.32	0.00	0.00	0.32	0.96	0.00	0.09
1969-70 P-VALUE	0.08	0.11	0.00	0.17	0.00	0.17	0.00	0.06	0.22	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.65	0.00	0.00	0.00
CHANGE P-VALUE	0.13	0.03	0.27	0.25	0.00	-0.04	0.29	0.20	-0.22	0.00	0.00	0.00	0.37	0.07	-0.29	0.32	0.00	0.00	-0.33	0.96	0.00	0.09
1972-73 SE OF P-VAL	0.13	0.14	0.20	0.41	0.00	0.09	0.23	0.16	0.00	0.00	0.00	0.00	0.36	0.07	0.35	0.32	0.00	0.00	0.31	0.93	0.00	0.09
1969-70 SE OF P-VAL	0.06	0.11	0.00	0.18	0.00	0.13	0.00	0.07	0.23	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.49	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.14	0.18	0.20	0.45	0.00	0.16	0.23	0.17	0.23	0.00	0.00	0.00	0.36	0.07	0.69	0.32	0.00	0.00	0.58	0.93	0.00	0.09
1972-73 DELTA-P		-0.07	0.06	0.21	-0.21	-0.08	0.08	0.05	-0.21	-0.21	-0.21	-0.21	0.16	-0.14	0.29	0.11	[illegible]	-0.21	0.11	0.75	-0.21	-0.12
1969-70 DELTA-P		0.03	-0.08	0.09	-0.08	0.09	-0.08	-0.02	0.14	-0.08	-0.08	-0.08	-0.08	-0.08	0.71	-0.08	-0.08	-0.08	0.57	-0.08	-0.08	-0.08
CHANGE DELTA-P		-0.10	0.14	0.12	-0.13	-0.17	0.16	0.07	-0.35	-0.13	-0.13	-0.13	0.24	-0.06	-0.42	0.19	-0.13	-0.13	-0.46	0.83	-0.13	-0.04
1972-73 SE OF DP		0.16	0.19	0.30	0.13	0.13	0.12	0.03	0.13	0.13	0.13	0.13	0.26	0.13	0.33	0.31	0.13	0.13	0.31	0.82	0.13	0.14
1969-70 SE OF DP		0.10	0.06	0.13	0.06	0.07	0.06	0.03	0.21	0.06	0.06	0.06	0.06	0.06	0.54	0.06	0.06	0.06	0.44	0.06	0.06	0.06
SE OF CHANGE DELTA-P		0.19	0.20	0.33	0.14	0.15	0.13	0.04	0.25	0.14	0.14	0.14	0.27	0.14	0.63	0.32	0.14	0.14	0.54	0.82	0.14	0.15
RESPONSE: 01 AGE: 13 TEXT: Changing a theory into a law																						
1972-73 P-VALUE	12.48	13.63	10.72	12.65	12.70	13.07	11.94	13.99	6.60	4.97	10.87	9.62	12.31	14.11	10.25	9.38	6.13	16.78	12.16	15.21	13.46	11.94
1969-70 P-VALUE	14.94	18.63	12.01	15.20	13.09	15.71	14.30	16.15	9.17	10.24	2.92	10.39	14.95	16.37	16.81	3.63	10.29	20.15	12.18	23.15	16.46	13.16
CHANGE P-VALUE	-2.46	-5.00	-1.29	-2.55	-0.39	-2.64	-2.36	-2.16	-2.57	-5.27	7.95*	-0.77	-2.64	-2.26	-6.56	5.75	-4.16	-3.37	-0.02	-7.94	-3.00	-1.22
1972-73 SE OF P-VAL	0.79	1.33	1.76	1.77	1.33	1.01	1.09	0.86	1.55	1.98	3.14	2.88	1.24	1.14	1.82	2.75	1.84	2.56	3.30	2.48	2.33	1.43
1969-70 SE OF P-VAL	1.33	2.67	2.36	3.14	1.53	1.51	1.85	1.53	2.50	2.28	1.81	2.59	2.51	1.52	2.85	1.36	2.59	5.54	2.38	3.91	1.77	1.86
SE OF CHANGE P-VALUE	1.55	2.98	2.94	3.60	2.03	1.82	2.15	1.76	2.94	3.02	3.62	3.87	2.80	1.90	3.38	3.07	3.18	6.10	4.07	4.63	2.93	2.35
1972-73 DELTA-P		1.15	-1.76	0.17	0.22	0.59	-0.54	1.51#	-5.88#	-7.51#	-1.61	-2.86	-0.17	1.63	-2.23	-3.10	-6.35#	4.30	-0.32	2.73	0.98	-0.54
1969-70 DELTA-P		3.69	-2.93	0.26	-1.85	0.77	-0.64	1.21#	-5.77*	-4.70	-12.02#	-4.55	0.01	1.43	1.87	-11.31#	-4.65	5.21	-2.76	8.21*	1.52	-1.78
CHANGE DELTA-P		-2.54	1.17	-0.09	2.07	-0.18	0.10	0.30	-0.11	-2.81	10.41#	1.69	-0.18	0.20	-4.10	8.21#	-1.70	-0.91	2.44	-5.48	-0.54	1.24
1972-73 SE OF DP		1.23	1.53	1.42	1.21	0.72	0.66	0.34	1.45	1.95	3.05	2.62	1.04	0.83	1.72	2.71	1.79	2.46	3.11	2.33	2.19	1.21
1969-70 SE OF DP		2.27	2.25	2.38	1.74	1.09	1.00	0.41	2.48	2.43	2.23	2.49	1.70	1.05	2.72	1.75	2.81	4.73	2.48	3.55	2.02	1.61
SE OF CHANGE DELTA-P		2.58	2.72	2.77	2.12	1.31	1.20	0.53	2.87	3.12	3.78	3.61	1.99	1.34	3.22	3.23	3.33	5.33	3.98	4.25	2.98	2.03
RESPONSE: 02 AGE: 13 TEXT: Changing a law into a theory																						
1972-73 P-VALUE	3.63	3.45	4.73	2.59	3.98	3.72	3.55	3.37	5.32	3.39	2.97	3.94	3.38	3.52	4.71	2.22	3.43	2.84	4.82	2.50	4.23	4.14
1969-70 P-VALUE	2.05	2.56	2.00	1.48	2.28	2.53	1.63	1.88	2.82	2.89	4.25	1.53	2.99	1.14	2.85	3.54	2.66	0.38	1.50	2.25	2.55	2.24
CHANGE P-VALUE	1.58#	0.89	2.73*	1.11	1.70	1.19	1.92#	1.49*	2.50	0.50	-1.28	2.41	0.39	2.38#	1.86	-1.32	0.77	2.46*	3.32	0.25	1.68	1.90
1972-73 SE OF P-VAL	0.43	0.76	1.12	0.63	0.92	0.57	0.59	0.51	1.25	1.54	1.38	1.46	0.76	0.73	1.42	1.16	1.21	1.15	1.69	0.84	1.03	0.83
1969-70 SE OF P-VAL	0.31	0.67	0.61	0.50	0.80	0.48	0.43	0.32	1.06	1.33	2.21	0.90	0.59	0.33	1.08	1.77	1.11	0.37	0.65	0.99	0.96	0.63
SE OF CHANGE P-VALUE	0.53	1.01	1.28	0.80	1.22	0.75	0.73	0.60	1.63	2.03	2.61	1.72	0.96	0.80	1.76	2.12	1.64	1.21	1.81	1.30	1.41	1.04
1972-73 DELTA-P		-0.18	1.10	-1.04	0.35	0.09	-0.08	-0.26	1.69	-0.24	-0.66	0.31	-0.25	-0.11	1.08	-1.41	-0.20	-0.79	1.19	-1.13	0.60	0.51
1969-70 DELTA-P		0.51	-0.05	-0.57	0.23	0.48	-0.42	-0.17	0.77	0.84	2.20	-0.52	0.94*	-0.91#	0.80	1.49	0.61	-1.67#	-0.55	0.20	0.50	0.19
CHANGE DELTA-P		-0.69	1.15	-0.47	0.12	-0.39	0.34	-0.09	0.92	-1.08	-2.86	0.83	-1.19	0.80	0.28	-2.90	-0.81	0.88	1.74	-1.33	0.10	0.32
1972-73 SE OF DP		0.70	0.94	0.60	0.77	0.41	0.38	0.22	1.17	1.57	1.36	1.38	0.62	0.56	1.38	1.12	1.21	1.03	1.58	0.86	1.00	0.62
1969-70 SE OF DP		0.56	0.57	0.44	0.68	0.34	0.31	0.16	0.95	1.23	2.13	0.89	0.41	0.28	0.96	1.67	1.08	0.44	0.64	0.91	0.92	0.52
SE OF CHANGE DELTA-P		0.90	1.10	0.74	1.03	0.53	0.49	0.27	1.51	1.99	2.53	1.64	0.74	0.63	1.68	2.01	1.62	1.12	1.70	1.25	1.36	0.81

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205021-2 R0239

When a scientist takes many measurements during an experiment and studies the results carefully, what is he probably doing?

RESPONSE: 03 AGE: 13 TEXT: Making work for a computer to prevent its being idle

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.76	2.15	3.62	2.44	2.95	2.83	2.69	1.82	6.26	7.77	5.00	5.36	2.07	0.95	7.42	3.43	7.64	0.51	3.27	1.28	0.66	3.36
1969-70 P-VALUE	2.37	2.18	2.36	2.83	1.99	2.40	2.37	1.52	6.90	4.57	2.45	4.42	2.98	1.53	2.51	3.36	8.05	1.06	1.65	0.52	3.48	2.25
CHANGE P-VALUE	0.39	-0.03	1.26	-0.39	0.96	0.43	0.32	0.30	-0.64	3.20	2.55	0.94	-0.87	-0.58	4.91#	0.07	-0.41	-0.55	1.62	0.76	-2.82	1.11
1972-73 SE OF P-VAL	0.41	0.56	1.03	0.58	1.00	0.51	0.49	0.32	1.66	2.94	2.68	2.44	0.53	0.31	1.45	1.19	2.38	0.37	1.23	[illegible]	0.32	0.80
1969-70 SE OF P-VAL	0.41	0.68	0.65	1.02	0.67	0.61	0.62	0.41	1.73	1.68	1.62	1.38	1.01	0.44	1.17	1.10	1.25	0.58	0.71	0.25	1.40	0.85
SE OF CHANGE P-VALUE	0.56	0.89	1.22	1.17	1.20	0.80	0.79	0.52	2.40	3.39	3.13	2.80	1.14	0.54	1.86	1.62	2.65	0.69	1.42	0.58	1.44	1.17
1972-73 DELTA-P		-0.61	0.86	-0.32	0.19	0.07	-0.07	-0.94#	3.50*	5.01	2.24	2.60	-0.69	-1.81#	4.66#	0.67	4.88*	-2.25#	0.51	-1.48*	-2.10#	0.60
1969-70 DELTA-P		-0.19	-0.01	0.46	-0.38	0.03	0.00	-0.85#	4.53#	2.20	0.08	2.05	0.57	-0.84*	0.14	0.99	5.68#	-1.31*	-0.72	-1.85#	1.11	-0.12
CHANGE DELTA-P		-0.42	0.87	-0.78	0.57	0.04	-0.07	-0.09	-1.03	2.81	2.16	0.55	-1.26	-0.97	4.52#	-0.32	-0.80	-0.94	1.23	0.37	-3.21*	0.72
1972-73 SE OF DP		0.58	0.87	0.56	0.80	0.31	0.28	0.32	1.51	2.73	2.52	2.33	0.47	0.43	1.24	1.14	2.19	0.53	1.15	0.64	0.50	0.60
1969-70 SE OF DP		0.63	0.65	0.76	0.64	0.47	0.43	0.28	1.57	1.65	[illegible]	1.39	0.78	0.40	1.06	1.10	1.22	0.62	0.74	0.46	1.23	0.65
SE OF CHANGE DELTA-P		0.86	1.09	0.94	1.02	0.56	0.51	0.43	2.18	3.19	3.02	2.71	0.91	0.59	1.63	1.58	2.51	0.82	1.37	0.79	1.33	0.88

RESPONSE: 04 AGE: 13 TEXT: Trying to correct a mistake he has made in arithmetic

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.49	8.88	9.94	5.84	5.85	9.02	6.08	6.59	11.79	10.15	8.54	8.47	6.41	6.89	10.84	11.16	8.37	5.83	7.21	4.64	6.18	[illegible]
1969-70 P-VALUE	4.30	3.62	7.40	3.60	3.16	4.52	4.15	3.75	7.33	5.47	4.80	8.77	3.19	3.85	5.62	4.42	6.73	2.48	7.99	1.94	5.30	3.73
CHANGE P-VALUE	3.19#	5.26#	2.54	2.24	2.69	4.50#	1.93*	2.84#	4.46	4.68	3.74	-0.30	3.22#	3.04#	5.22*	6.74	1.64	3.35	-0.78	2.70	0.88	4.81#
1972-73 SE OF P-VAL	0.58	0.88	1.51	1.25	1.08	0.86	0.68	0.67	1.67	2.49	2.93	1.87	0.78	0.89	1.76	2.93	1.55	1.50	1.32	1.13	1.57	[illegible]
1969-70 SE OF P-VAL	0.52	1.00	1.19	1.08	0.95	0.78	0.68	0.55	1.97	1.98	2.09	2.23	0.68	0.78	1.77	1.99	3.67	0.93	1.01	1.04	1.40	0.90
SE OF CHANGE P-VALUE	0.78	1.33	1.92	1.65	1.44	1.16	0.96	0.87	2.58	3.18	3.60	2.91	1.03	1.18	2.50	3.54	3.44	1.76	1.66	1.54	2.10	1.40
1972-73 DELTA-P		1.39	2.45	-1.65	-1.64	1.53#	-1.41#	-0.90#	4.30#	2.66	1.05	0.98	-1.08	-0.60	3.35*	3.67	0.88	-1.66	-0.28	-2.85#	-1.31	1.05
1969-70 DELTA-P		-0.68	3.10#	-0.70	-1.14	0.22	-0.15	-0.55	3.03	1.17	0.50	4.47*	-1.11	-0.45	1.32	0.12	2.43	-1.82	3.69#	-2.36*	1.00	-0.57
CHANGE DELTA-P		2.07	-0.65	-0.95	-0.50	1.31	-1.26	-0.35	1.27	1.49	0.55	-3.49	0.03	-0.15	2.03	3.55	-1.55	0.16	-3.97*	-0.49	-2.31	1.62
1972-73 SE OF DP		0.87	1.27	1.02	0.97	0.53	0.49	0.28	1.67	2.42	2.78	1.81	0.64	0.76	1.52	2.66	1.53	1.39	1.31	1.14	1.56	0.88
1969-70 SE OF DP		0.87	1.08	0.86	0.88	0.52	0.47	0.30	1.80	1.90	2.05	2.07	0.62	0.52	1.69	1.94	2.86	0.92	0.95	1.00	1.29	0.76
SE OF CHANGE DELTA-P		1.24	1.67	1.33	1.31	0.74	0.68	0.41	2.46	3.08	3.45	2.75	0.89	0.92	2.27	3.29	3.24	1.67	1.62	1.52	2.02	1.16

RESPONSE: 05* AGE: 13 TEXT: Seeking for relationships among the measurements he has obtained

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	62.08	63.22	60.07	63.77	60.89	58.91	65.00	62.92	58.45	58.69	60.01	58.01	65.68	64.68	48.86	64.14	64.18	62.22	60.79	59.37	65.17	61.27
1969-70 P-VALUE	66.59	63.73	65.62	67.49	69.52	64.39	68.49	66.91	64.44	66.81	80.86	65.46	65.40	68.32	58.55	69.68	61.09	64.10	70.89	63.39	66.00	67.94
CHANGE P-VALUE	-4.51#	-0.51	-5.55	-3.72	-8.63*	-5.48#	-3.49	-3.99*	-5.99	-8.12	-20.85#	-7.45	0.28	-3.64	-9.69*	-5.54	3.09	-1.88	-10.10*	-4.02	-0.83	-6.17*
1972-73 SE OF P-VAL	1.09	1.47	1.33	2.57	2.61	1.44	1.52	1.19	2.28	3.94	4.21	3.60	1.93	1.79	3.18	4.64	3.03	4.23	3.53	2.68	2.80	1.82
1969-70 SE OF P-VAL	1.33	2.76	2.52	2.75	2.59	1.47	2.05	1.56	3.30	4.13	4.12	3.25	3.03	1.53	2.96	3.93	4.97	5.01	3.25	3.93	2.12	2.12
SE OF CHANGE P-VALUE	1.72	3.12	2.85	3.76	3.68	2.06	2.55	1.96	4.01	5.71	5.89	4.85	3.59	2.35	4.34	6.08	5.82	6.56	4.80	4.76	3.51	2.79
1972-73 DELTA-P		1.14	-2.01	1.69	-1.19	-3.17#	2.92#	0.84*	-3.63	-3.39	-2.07	-4.07	3.60*	2.60*	-13.22#	2.06	2.10	0.14	-1.29	-2.71	3.09	-0.81
1969-70 DELTA-P		-2.86	-0.97	0.90	2.93	-2.20	1.90	0.32	-2.15	0.22	14.27#	-1.13	-1.19	1.73	-8.04#	3.09	-5.50	-2.49	4.30	-3.20	-0.59	1.25
CHANGE DELTA-P		4.00	-1.04	0.79	-4.12	-0.97	1.02	0.52	-1.48	-3.61	-16.34#	-2.94	4.79	0.87	-5.18	-1.03	7.60	2.63	-5.59	0.49	3.68	-2.06
1972-73 SE OF DP		1.50	1.47	2.04	2.10	1.03	0.95	0.41	2.16	3.68	4.09	3.55	1.64	1.30	3.03	4.48	3.08	3.70	3.26	2.59	2.86	1.60
1969-70 SE OF DP		2.34	2.36	2.20	2.35	1.28	1.15	0.58	3.31	4.02	4.29	3.06	2.21	1.27	2.91	3.90	4.78	4.44	3.10	3.61	2.16	1.89
SE OF CHANGE DELTA-P		2.78	2.78	3.00	3.15	1.64	1.49	0.71	3.95	5.45	5.93	4.69	2.75	1.82	4.20	5.94	5.69	5.78	4.50	4.44	3.58	2.48

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205021-2 R0239

When a scientist takes many measurements during an experiment and studies the results carefully, what is he probably doing?

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	11.35	8.53	10.64	12.30	13.62	12.32	10.46	11.04	11.59	15.02	12.61	14.60	9.79	9.78	17.44	9.34	10.25	11.82	11.42	16.04	10.31	10.66
1969-70 P-VALUE	9.64	9.15	10.58	9.19	9.93	10.25	9.03	9.70	9.09	9.99	4.70	9.41	10.49	8.77	12.85	15.35	11.15	11.81	5.11	8.73	6.19	10.74
CHANGE P-VALUE	1.71	-0.62	0.06	3.11	3.69	2.07	1.43	1.34	2.50	5.03	7.91*	5.19	-0.70	1.01	4.59	-6.01	-0.90	0.01	6.31*	7.31	4.12	-0.08
1972-73 SE OF P-VAL	0.92	1.12	1.26	2.16	2.29	1.05	1.17	0.99	1.71	3.75	1.98	2.31	1.39	1.26	2.74	2.21	2.33	2.53	2.09	3.85	2.19	1.16
1969-70 SE OF P-VAL	0.96	1.89	2.47	1.76	1.65	1.42	1.05	1.09	2.16	3.89	2.60	2.78	1.62	1.00	2.62	5.67	1.89	3.46	1.60	1.66	1.57	1.61
SE OF CHANGE P-VALUE	1.33	2.20	2.77	2.79	2.82	1.77	1.57	1.47	2.75	5.40	3.27	3.61	2.13	1.61	3.79	6.09	3.00	4.29	2.63	4.19	2.69	1.98
1972-73 DELTA-P		-2.82*	-0.71	0.95	2.27	0.97	-0.89	-0.31	0.24	3.67	1.26	3.25	-1.56	-1.57	6.09*	-2.01	-1.10	0.47	0.07	4.69	-1.04	-0.69
1969-70 DELTA-P		-0.49	0.94	-0.45	0.29	0.61	-0.61	0.06	-0.55	0.35	-4.94*	-0.23	0.85	-0.87	3.21	5.71	1.51	2.17	-4.53#	-0.91	-3.45*	1.10
CHANGE DELTA-P		-2.33	-1.65	1.40	1.98	0.36	-0.28	-0.37	0.79	3.32	6.20	3.48	-2.41	-0.70	2.88	-7.72	-2.61	-1.70	4.60	5.60	2.41	-1.79
1972-73 SE OF DP		1.21	1.33	1.71	1.86	0.65	0.60	0.34	1.52	3.59	2.03	2.17	1.07	0.88	2.45	2.44	2.25	2.12	1.96	3.49	2.09	0.97
1969-70 SE OF DP		1.63	2.11	1.47	1.55	0.87	0.76	0.40	2.16	3.69	2.46	2.60	0.99	0.78	2.41	5.30	2.02	3.05	1.65	1.73	1.64	1.34
SE OF CHANGE DELTA-P		2.03	2.49	2.25	2.42	1.09	0.97	0.52	2.64	5.15	3.19	3.39	1.46	1.18	3.44	5.83	3.02	3.71	2.56	3.90	2.66	1.65

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

In science one is LEAST likely to do which of the following things with an apple?

○ Weigh it
○ Measure its size
○ Describe its color
● Write a poem about it
○ Find how many seeds it has

○ I don't know.

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NAEP #:           205027-12

72-73 Report #: RU240
69-70 Report #: R1[illegible]

72-73 Obj:      II. UNDERSTAND AND APPLY THE FUNDAMENTAL  ASPECTS
                    OF   SCIENCE  IN  A  WIDE  RANGE  OF  PROBLEM
                    SITUATIONS.
72-73 Subobj:    E. Understand    and    apply    the    scientific
                    enterprise.

69-70 Obj:     III. UNDERSTAND   THE   INVESTIGATIVE   NATURE  OF
                    SCIENCE.

Science Type:       Unclassified

Exercise Type:          Multiple choice
Scoring Type:           Machine
Administration Mode:    Group

Age:                                 9        13
72-73 Package-Exercise:            01-17    01-15
69-70 Package-Exercise:            05-12

72-73 National P-val:
           RU240                   18.74    65.23
69-70 National P-value:
           RU240                   22.98

Timing: (in seconds)
                          Stimulus:  14       15
                          Response:  35       35
                      I don't know:   5        5
                             Pause:   6        6
   RU240            Exercise total:  60       61
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EXERCISE: 205027-12 R0240

In science one is LEAST likely to do which of the following things with an apple?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.31	0.00	0.22	0.49	0.51	0.34	0.28	0.20	1.16	0.00	0.00	0.96	0.42	0.33	0.20	0.31	1.88	0.36	0.23	0.00	0.00	0.26
1969-70 P-VALUE	0.18	0.00	0.25	0.07	0.45	0.08	0.28	0.15	0.44	0.00	0.36	0.00	0.09	0.12	0.29	0.20	0.41	0.00	0.00	0.00	1.15	0.00
CHANGE P-VALUE	0.13	0.00	-0.03	0.42	0.06	0.26	0.00	0.05	0.72	0.00	-0.36	0.96	0.33	0.21	-0.09	0.11	1.47	0.36	0.23	0.00	-1.15	0.26
1972-73 SE OF P-VAL	0.16	0.00	0.16	0.31	0.51	0.21	0.15	0.10	0.95	0.00	0.00	0.93	0.41	0.20	0.16	0.31	1.86	0.35	0.23	0.00	0.00	0.21
1969-70 SE OF P-VAL	0.11	0.00	0.19	0.07	0.44	0.05	0.22	0.13	0.31	0.00	0.35	0.00	0.09	0.12	0.29	0.20	0.40	0.00	0.00	0.00	0.89	0.00
SE OF CHANGE P-VALUE	0.19	0.00	0.25	0.32	0.67	0.22	0.27	0.16	1.00	0.00	0.35	0.93	0.42	0.23	0.33	0.37	1.90	0.35	0.23	0.00	0.89	0.21
1972-73 DELTA-P		-0.31	-0.09	0.18	0.20	0.03	-0.03	-0.11	0.85	-0.31	-0.31	0.65	0.11	0.02	-0.11	0.00	1.57	0.05	-0.08	-0.31	-0.31	-0.05
1969-70 DELTA-P		-0.18	0.07	-0.11	0.27	-0.10	0.10	-0.03	0.26	-0.18	0.18	-0.18	-0.09	-0.06	0.11	0.02	0.23	-0.18	-0.18	-0.18	0.97	-0.18
CHANGE DELTA-P		-0.13	-0.16	0.29	-0.07	0.13	-0.13	-0.08	0.59	-0.13	-0.49	0.83	0.20	0.08	-0.22	-0.02	1.34	0.23	0.10	-0.13	-1.28	0.13
1972-73 SE OF DP		0.16	0.19	0.27	0.39	0.09	0.09	0.1[illegible]	0.82	0.16	0.16	0.81	0.29	0.20	0.17	0.33	1.73	0.34	0.26	0.16	0.16	0.20
1969-70 SE OF DP		0.11	0.19	0.12	0.34	0.11	0.11	0.05	0.29	0.11	0.36	0.11	0.13	0.14	0.19	0.21	0.39	0.11	0.11	0.11	0.78	0.11
SE OF CHANGE DELTA-P		0.19	0.27	0.30	0.52	0.14	0.14	0.14	0.87	0.19	0.39	0.82	0.32	0.24	0.25	0.39	1.77	0.36	0.28	0.19	0.80	0.23
AGE: 13																						
1972-73 P-VALUE	0.18	0.39	0.00	0.00	0.36	0.19	0.17	0.13	0.17	0.77	0.00	1.06	0.00	0.18	0.15	0.00	0.00	0.37	0.00	0.00	0.21	0.35
1972-73 SE OF P-VAL	0.09	0.25	0.00	0.00	0.27	0.12	0.13	0.08	0.18	0.79	0.00	0.79	0.00	0.13	0.15	0.00	0.00	0.37	0.00	0.00	0.23	0.22
1972-73 DELTA-P		0.21	-0.18*	-0.18*	0.18	0.01	-0.01	-0.05	-0.01	0.59	-0.18*	0.88	-0.18*	0.00	-0.03	-0.18*	-0.18*	0.19	-0.18*	-0.18*	0.03	0.17
1972-73 SE OF DP		0.20	0.09	0.09	0.21	0.08	0.09	0.06	0.17	0.74	0.09	0.73	0.09	0.10	0.15	0.09	0.09	0.33	0.09	0.09	0.22	0.17
RESPONSE: 01 AGE: 9 TEXT: Weigh it.																						
1972-73 P-VALUE	21.05	18.99	23.42	23.86	18.07	20.41	21.70	20.28	24.74	22.42	22.91	20.68	23.82	18.19	21.57	20.23	24.45	19.20	24.30	21.79	17.43	21.48
1969-70 P-VALUE	15.88	15.66	15.41	16.67	15.50	15.47	16.28	14.46	21.12	23.14	30.37	18.67	16.20	10.88	17.62	20.03	25.20	15.39	16.30	11.87	18.51	14.14
CHANGE P-VALUE	5.17#	3.33	8.01#	7.19*	2.57	4.94#	5.42*	5.82#	3.62	-0.72	-7.46	2.01	7.62#	7.31#	3.95	0.20	-0.75	3.81	8.00	9.92*	-1.08	7.34#
1972-73 SE OF P-VAL	1.11	2.37	2.18	2.29	1.53	1.30	1.46	1.23	2.66	3.00	3.53	4.26	2.42	1.69	1.54	3.10	3.96	2.05	3.05	3.77	2.88	1.80
1969-70 SE OF P-VAL	1.03	1.97	2.32	2.14	1.72	1.22	1.66	1.12	3.25	3.55	4.60	4.21	1.77	1.24	1.64	3.87	4.24	2.52	3.20	1.88	3.04	1.77
SE OF CHANGE P-VALUE	1.51	3.08	3.18	3.13	2.59	1.78	2.21	1.66	4.20	4.65	5.83	5.99	3.00	2.10	2.25	4.96	5.80	3.25	4.42	4.21	4.19	2.52
1972-73 DELTA-P		-2.06	2.37	2.81	-2.98	-0.64	0.65	-0.77	3.69	1.37	1.86	-0.37	2.77	-2.86*	0.52	-0.82	1.40	-1.85	3.25	0.74	-3.62	0.43
1969-70 DELTA-P		-0.22	-0.47	0.79	-0.38	-0.41	0.40	-1.42#	5.24	7.26*	14.49#	2.79	0.32	-5.00#	1.74	4.15	9.32*	-0.49	0.42	-4.01*	2.63	-1.74
CHANGE DELTA-P		-1.84	2.84	2.02	-2.60	-0.23	0.25	0.65	-1.55	-5.89	-12.63*	-3.16	2.45	2.14	-1.22	-4.97	-5.92	-1.36	2.83	4.75	-6.25	2.17
1972-73 SE OF DP		2.00	1.96	1.92	1.74	0.82	0.83	0.51	2.43	2.91	3.44	4.28	2.01	1.15	1.24	3.07	3.90	2.03	2.79	3.34	2.62	1.62
1969-70 SE OF DP		1.74	2.03	1.69	1.64	1.05	1.02	0.52	3.05	3.26	4.41	4.01	1.39	1.19	1.16	3.58	4.13	2.36	2.97	1.92	2.93	1.38
SE OF CHANGE DELTA-P		2.65	2.82	2.56	2.39	1.33	1.32	0.73	3.90	4.37	5.59	5.87	2.44	1.65	1.70	4.72	5.61	3.11	4.07	3.85	3.93	2.13
AGE: 13																						
1972-73 P-VALUE	7.32	5.93	8.01	6.72	8.97	6.96	7.70	5.28	16.82	12.56	12.59	9.62	6.72	3.64	14.49	10.02	15.87	2.11	5.91	3.83	10.39	8.02
1972-73 SE OF P-VAL	0.75	1.60	1.21	1.48	1.54	0.90	1.07	0.68	2.87	3.93	2.97	2.59	1.14	0.75	2.18	3.20	2.51	0.90	1.81	1.44	1.74	1.08
1972-73 DELTA-P		-1.39	0.69	-0.60	1.65	-0.36	0.38	-2.04#	9.50#	5.24	5.27	2.30	-0.60	-3.68#	7.17#	2.70	8.55#	-5.21#	-1.41	-3.49#	3.07*	0.70
1972-73 SE OF DP		1.37	1.19	1.19	1.34	0.64	0.66	0.59	2.58	3.74	2.78	2.30	0.88	0.86	1.87	2.99	2.49	1.04	1.67	1.34	1.47	0.93
RESPONSE: 02 AGE: 9 TEXT: Measure its size.																						
1972-73 P-VALUE	11.03	10.53	13.22	8.34	12.40	10.63	11.43	10.40	13.88	12.48	11.27	5.68	12.60	10.89	10.88	10.83	14.20	8.52	9.40	11.81	12.53	11.00
1969-70 P-VALUE	10.21	10.46	9.90	10.59	9.71	11.22	9.24	9.42	13.05	14.48	12.26	12.61	8.77	8.69	11.86	8.79	17.67	6.89	16.66	11.19	8.18	8.91
CHANGE P-VALUE	0.82	0.07	3.32	-2.25	2.69	-0.59	2.19	0.98	0.83	-2.00	-0.99	-6.93	3.83	2.20	-0.98	2.04	-3.47	1.63	-7.26*	0.62	4.35	2.09
1972-73 SE OF P-VAL	0.68	1.31	1.41	1.27	1.41	0.92	1.11	0.81	1.84	2.25	3.07	1.97	1.47	1.26	1.13	2.27	3.48	1.85	1.77	1.67	1.46	1.25
1969-70 SE OF P-VAL	0.77	1.58	1.52	1.42	1.63	1.30	0.92	0.82	1.84	2.84	2.91	3.62	1.37	1.17	1.34	2.10	3.72	1.62	2.61	1.73	2.44	1.10
SE OF CHANGE P-VALUE	1.03	2.05	2.07	1.91	2.16	1.59	1.44	1.15	2.60	3.62	4.23	4.12	2.01	1.72	1.75	3.09	5.09	2.46	3.15	2.40	2.84	1.67
1972-73 DELTA-P		-0.50	2.19	-2.69*	1.37	-0.40	0.40	-0.63	2.85	1.45	0.24	-5.35#	1.57	-0.14	-0.15	-0.20	3.17	-2.51	-1.63	0.78	1.50	-0.03
1969-70 DELTA-P		0.25	-0.31	0.38	-0.50	1.01	-0.97	-0.79#	2.84	4.27	2.05	2.40	-1.44	-1.52	1.65	-1.42	7.46*	-3.32*	6.45#	0.98	-2.03	-1.30
CHANGE DELTA-P		-0.75	2.50	-3.07	1.87	-1.41	1.37	0.16	0.01	-2.82	-1.81	-7.75	3.01	1.38	-1.80	1.22	-4.29	0.81	-8.08#	-0.20	3.53	1.27
1972-73 SE OF DP		1.14	1.25	1.09	1.20	0.75	0.76	0.38	1.74	2.21	2.94	2.05	1.29	1.07	0.88	2.29	3.36	1.62	1.72	1.59	1.31	1.00
1969-70 SE OF DP		1.37	1.38	1.17	1.42	0.83	0.80	0.31	1.72	2.71	2.97	3.39	1.30	0.90	0.99	2.09	3.62	1.56	2.31	1.59	2.25	1.03
SE OF CHANGE DELTA-P		1.78	1.86	1.60	1.86	1.12	1.10	0.49	2.45	3.50	4.18	3.96	1.83	1.40	1.32	3.10	4.94	2.25	2.88	2.25	2.60	1.44

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205027-12 R0240

In science one is LEAST likely to do which of the following things with an apple?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: 13 TEXT: Measure its size.																						
1972-73 P-VALUE	6.92	5.67	9.30	5.40	8.13	7.46	6.36	5.29	14.96	10.25	10.21	8.45	6.77	4.75	10.57	7.67	8.11	2.33	9.70	5.78	8.41	6.90
1972-73 SE OF P-VAL	0.82	1.16	2.24	1.23	1.94	1.00	0.98	0.87	2.20	2.68	2.87	1.99	1.07	0.93	2.10	2.46	1.80	1.06	2.16	2.01	3.16	1.27
1972-73 DELTA-P		-1.25	2.38	-1.52	1.21	0.54	-0.56	-1.63#	8.04#	3.33	3.29	1.53	-0.15	-2.17#	3.65*	0.75	1.19	-4.59#	2.78	-1.14	1.49	-0.02
1972-73 SE OF DP		1.16	1.89	1.11	1.64	0.54	0.56	0.44	1.91	2.65	2.72	1.88	0.82	0.65	1.72	2.42	2.05	1.20	1.97	1.85	2.73	1.07
RESPONSE: 03 AGE: 9 TEXT: Describe its color.																						
1972-73 P-VALUE	9.69	9.14	10.12	9.37	10.19	10.18	9.20	10.21	8.88	5.89	9.49	11.61	10.50	9.23	10.18	8.25	11.34	10.45	7.17	8.22	12.34	9.71
1969-70 P-VALUE	11.00	11.66	11.68	10.06	10.92	10.70	11.29	11.40	10.21	7.50	12.57	8.81	12.20	9.87	12.15	10.35	11.55	11.59	7.87	10.98	11.18	11.92
CHANGE P-VALUE	-1.31	-2.52	-1.56	-0.69	-0.73	-0.52	-2.09	-1.19	-1.33	-1.61	-3.08	2.80	-1.70	-0.64	-1.97	-2.10	-0.21	-1.14	-0.70	-2.76	1.16	-2.21
1972-73 SE OF P-VAL	0.87	2.09	1.51	1.85	1.31	0.90	1.21	1.08	1.34	2.26	2.32	2.86	2.01	1.22	1.23	2.45	2.41	1.99	2.73	1.46	2.27	1.19
1969-70 SE OF P-VAL	0.84	2.21	2.04	1.23	1.22	0.92	1.23	1.00	1.99	1.63	5.01	2.79	1.40	1.40	1.72	2.61	2.46	2.89	1.43	1.18	1.74	1.62
SE OF CHANGE P-VALUE	1.21	3.04	2.54	2.22	1.79	1.29	1.73	1.47	2.40	2.79	5.52	4.00	2.45	1.86	2.11	3.58	3.44	3.51	3.11	1.88	2.86	2.01
1972-73 DELTA-P		-0.55	0.43	-0.32	0.50	0.49	-0.49	0.52	-0.81	-3.80	-0.20	1.92	0.81	-1.46	0.49	-1.44	1.65	0.76	-2.52	-1.47	2.65	0.02
1969-70 DELTA-P		0.66	0.68	-0.94	-0.08	-0.30	0.29	0.40	-0.79	-3.50*	1.57	-2.19	1.20	-2.13	1.15	-0.65	0.55	0.59	-3.13*	-0.02	0.18	0.92
CHANGE DELTA-P		-1.21	-0.25	0.62	0.58	0.79	-0.78	0.12	-0.02	-0.30	-1.77	4.11	-0.39	0.67	-0.66	-0.79	1.10	0.17	0.61	-1.45	2.47	-0.90
1972-73 SE OF DP		1.70	1.42	1.53	1.27	0.62	0.62	0.36	1.39	2.36	2.23	2.84	1.61	1.13	0.77	2.42	2.31	1.84	2.40	1.59	1.90	0.92
1969-70 SE OF DP		1.78	1.77	1.14	1.25	0.70	0.68	0.34	1.93	1.75	4.42	2.87	1.40	1.22	1.25	2.50	2.48	2.50	1.48	1.36	1.66	1.23
SE OF CHANGE DELTA-P		2.46	2.27	1.91	1.78	0.94	0.92	0.50	2.38	2.94	5.31	4.04	2.13	1.66	1.47	3.48	3.39	3.10	2.82	2.08	2.52	1.54
AGE: 13																						
1972-73 P-VALUE	4.37	3.67	4.86	3.90	5.29	4.27	4.48	3.23	8.69	9.16	8.44	4.77	5.07	2.46	5.95	6.60	8.41	2.29	5.33	4.07	3.90	3.72
1972-73 SE OF P-VAL	0.50	0.96	1.12	0.88	1.06	0.64	0.61	0.40	1.73	2.93	1.76	1.45	0.79	0.58	1.22	2.16	2.13	1.33	1.55	0.89	1.23	0.65
1972-73 DELTA-P		-0.70	0.49	-0.47	0.92	-0.10	0.11	-1.14#	4.32#	4.79	4.07*	0.40	0.70	-1.91#	1.58	2.23	4.04*	-2.08	0.96	-0.30	-0.47	-0.65
1972-73 SE OF DP		0.84	0.99	0.74	0.91	0.37	0.39	0.33	1.53	2.71	1.64	1.38	0.64	0.44	1.06	1.97	2.02	1.26	1.37	0.98	1.14	0.61
RESPONSE: 04* AGE: 9 TEXT: Write a poem about it.																						
1972-73 P-VALUE	18.74	21.05	13.67	17.68	22.04	18.59	18.89	20.87	7.43	16.71	11.70	19.31	15.79	28.25	13.93	11.38	6.00	29.42	16.81	17.32	23.86	17.91
1969-70 P-VALUE	22.98	21.40	18.09	26.80	24.14	22.45	23.50	26.32	9.87	7.54	14.22	11.96	20.19	34.58	17.74	21.02	7.97	30.98	19.99	29.49	17.34	22.70
CHANGE P-VALUE	-4.24*	-0.35	-4.42	-9.12#	-2.10	-3.86	-4.61*	-5.45#	-2.44	9.17*	-2.52	7.35	-4.40	-6.33	-3.81	-9.64*	-1.97	-1.56	-3.18	-12.17#	6.52	-4.79
1972-73 SE OF P-VAL	1.22	2.07	2.21	2.79	2.53	1.40	1.52	1.38	1.22	3.08	3.07	3.65	1.82	2.43	1.20	1.49	1.53	3.42	2.82	3.36	3.84	1.50
1969-70 SE OF P-VAL	1.22	2.35	2.80	2.09	2.37	1.56	1.47	1.35	2.18	2.06	3.96	3.71	2.06	2.17	2.02	4.27	1.82	3.14	3.15	1.91	1.77	2.42
SE OF CHANGE P-VALUE	1.73	3.13	3.57	3.49	3.47	2.10	2.11	1.93	2.50	3.71	5.01	5.20	2.75	3.26	2.35	4.52	2.38	4.64	4.23	3.86	4.23	2.85
1972-73 DELTA-P		2.31	-5.07*	-1.06	3.30	-0.15	0.15	2.13#	-11.31#	-2.03	-7.04*	0.57	-2.95	9.51#	-4.81#	-7.36#	-12.74#	10.68#	-1.93	-1.42	5.12	-0.83
1969-70 DELTA-P		-1.58	-4.89	3.82*	1.16	-0.53	0.52	3.34#	-13.11#	-15.44#	-8.76*	-11.02#	-2.79	11.60#	-5.24#	-1.96	-15.01#	8.00#	-2.99	6.51#	-5.64#	-0.28
CHANGE DELTA-P		3.89	-0.18	-4.88	2.14	0.38	-0.37	-1.21	1.80	13.41#	1.72	11.59*	-0.16	-2.09	0.43	-5.40	2.27	2.68	1.06	-7.93*	10.76#	-0.55
1972-73 SE OF DP		1.90	2.05	2.27	2.15	0.80	0.80	0.41	1.43	2.97	2.91	3.66	1.64	1.62	1.05	1.75	1.87	3.13	2.70	2.97	3.38	1.43
1969-70 SE OF DP		2.06	2.46	1.73	2.10	0.92	0.89	0.57	2.25	2.12	3.65	3.76	1.96	1.69	1.71	3.96	2.19	2.97	3.05	1.97	2.02	1.80
SE OF CHANGE DELTA-P		2.80	3.20	2.85	3.01	1.22	1.20	0.70	2.67	3.65	4.67	5.25	2.56	2.34	2.01	4.33	2.88	4.31	4.07	3.56	3.94	2.30
AGE: 13																						
1972-73 P-VALUE	65.23	71.47	55.52	70.06	60.91	64.66	65.82	73.40	31.46	36.26	44.14	57.02	64.21	79.15	44.60	54.20	41.70	83.53	60.29	69.96	60.72	67.49
1972-73 SE OF P-VAL	1.67	2.84	2.36	2.75	4.75	2.05	2.13	1.49	2.94	8.33	6.81	4.50	2.09	1.56	2.78	8.31	4.47	2.72	5.22	3.84	3.28	2.16
1972-73 DELTA-P		6.24*	-9.71#	4.83*	-4.32	-0.57	0.59	8.17#	-33.77#	-28.97#	-21.09#	-8.21	-1.02	13.92#	-20.63#	-11.03	-23.53#	18.30#	-4.94	4.73	-4.51	2.26
1972-73 SE OF DP		2.61	2.46	2.37	3.82	1.23	1.28	1.38	3.12	7.74	6.08	4.12	1.71	1.34	2.77	7.60	4.87	2.90	4.79	3.90	3.17	2.07

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205027-12 RU240

In science one is LEAST likely to do which of the following things with an apple?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05 AGE: 9 TEXT: Find how many seeds it has.																						
1972-73 P-VALUE	29.00	30.40	28.96	29.51	27.10	30.31	27.67	27.67	35.52	31.21	35.15	31.87	30.57	26.12	29.24	36.37	29.07	21.11	31.96	31.99	25.17	29.75
1969-70 P-VALUE	30.71	30.31	35.56	27.90	30.36	31.87	29.59	29.17	36.69	37.95	20.82	40.01	31.25	29.31	31.43	33.59	30.73	29.11	30.55	24.87	34.48	31.71
CHANGE P-VALUE	-1.71	0.09	-6.60*	1.61	-3.26	-1.56	-1.92	-1.50	-1.17	-6.74	14.33*	-8.14	-0.68	-3.19	-2.19	2.78	-1.66	-8.00	1.41	7.12	-9.31*	-1.96
1972-73 SE OF P-VAL	1.03	1.51	1.45	2.39	2.51	1.48	1.46	1.23	2.46	4.33	4.17	4.51	2.49	1.96	1.66	3.26	6.23	2.62	3.15	2.97	2.75	1.71
1969-70 SE OF P-VAL	1.10	1.71	2.35	2.24	2.47	1.48	1.54	1.20	3.05	3.65	4.86	6.64	2.05	2.12	1.69	4.88	3.84	3.19	3.39	3.08	3.08	1.66
SE OF CHANGE P-VALUE	1.51	2.28	2.76	3.28	3.52	2.09	2.12	1.72	3.92	5.66	6.40	8.03	3.23	2.89	2.37	5.87	7.32	4.13	4.63	4.28	4.13	2.38
1972-73 DELTA-P		1.40	-0.04	0.51	-1.90	1.31	-1.33	-1.33*	6.52#	2.21	6.15	2.87	1.57	-2.88	0.24	7.37*	0.07	-7.89#	2.96	2.99	-3.83	0.75
1969-70 DELTA-P		-0.40	4.85*	-2.81	-0.35	1.16	-1.12	-1.54#	5.98*	7.24*	-9.89*	9.30	0.54	-1.40	0.72	2.88	0.02	-1.60	-0.16	-5.84*	3.77	1.00
CHANGE DELTA-P		1.80	-4.89	3.32	-1.55	0.15	-0.21	0.21	0.54	-5.03	16.04#	-6.43	1.03	-1.48	-0.48	4.49	0.05	-6.29	3.12	8.83*	-7.60	-0.25
1972-73 SE OF DP		1.48	1.49	1.93	2.04	1.03	1.05	0.58	2.46	4.09	4.17	4.30	2.28	1.68	1.25	3.21	6.07	2.35	3.15	2.68	2.56	1.55
1969-70 SE OF DP		1.64	2.12	1.78	2.12	1.05	1.02	0.61	2.94	3.25	4.80	6.28	1.77	1.69	1.50	4.61	3.70	2.94	3.03	2.80	2.96	1.56
SE OF CHANGE DELTA-P		2.21	2.59	2.63	2.94	1.47	1.46	0.84	3.83	5.22	6.36	7.61	2.89	2.38	1.95	5.62	7.11	3.76	4.37	3.88	3.91	2.20
AGE: 13																						
1972-73 P-VALUE	14.14	11.69	19.26	12.18	14.74	14.14	14.14	11.03	25.51	27.97	21.80	16.60	15.58	8.97	20.20	19.24	22.28	8.63	17.13	15.79	14.38	11.06
1972-73 SE OF P-VAL	1.07	1.46	3.36	1.98	1.74	1.46	1.34	1.09	2.44	3.03	4.06	3.35	1.67	1.10	2.32	2.77	3.62	2.17	3.89	2.73	4.40	1.44
1972-73 DELTA-P		-2.45	5.12	-1.96	0.60	0.00	0.00	-3.11#	11.37#	13.83#	7.66*	2.46	1.44	-5.17#	6.06#	5.10	8.10*	-5.51*	2.99	1.65	0.24	-3.08*
1972-73 SE OF DP		1.48	2.80	1.62	1.66	0.89	0.92	0.53	2.26	2.99	3.82	3.19	1.15	0.98	1.92	2.70	1.86	2.26	3.45	2.60	3.91	1.36
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	10.19	9.90	10.41	10.75	9.70	9.55	10.84	10.38	8.41	11.30	9.49	9.90	6.30	8.00	14.00	12.65	13.08	10.95	10.14	8.88	8.67	9.90
1969-70 P-VALUE	9.05	10.51	9.12	7.92	8.93	6.24	9.83	9.09	8.64	9.40	9.42	7.95	11.31	7.55	8.92	6.05	6.47	6.04	8.63	11.60	9.17	10.63
CHANGE P-VALUE	1.14	-0.61	1.29	2.83	0.77	1.31	1.01	1.29	-0.23	1.90	0.07	1.95	-5.01#	0.45	5.08#	6.60	6.61*	4.91	1.51	-2.72	-0.50	-0.73
1972-73 SE OF P-VAL	0.75	1.19	2.19	1.11	1.45	0.97	1.00	0.85	1.71	2.18	3.12	3.40	1.11	1.31	1.24	3.85	2.46	2.26	2.09	1.34	2.20	1.07
1969-70 SE OF P-VAL	0.84	2.08	1.66	1.53	1.40	0.97	1.35	1.00	1.70	2.22	5.00	2.33	1.65	1.26	1.13	2.48	1.58	1.90	1.53	1.93	1.18	1.77
SE OF CHANGE P-VALUE	1.13	2.40	2.75	1.89	2.02	1.37	1.68	1.31	2.41	3.11	5.89	4.12	1.99	1.82	1.68	4.58	2.92	2.95	2.59	2.35	2.50	2.07
1972-73 DELTA-P		-0.29	0.22	0.56	-0.49	-0.64	0.65	0.19	-1.78	1.11	-0.70	-0.29	-3.89#	-2.19*	3.81#	2.46	2.89	0.76	-0.05	-1.31	-1.52	-0.29
1969-70 DELTA-P		1.46	0.07	-1.13	-0.12	-0.81	0.78	0.04	-0.41	0.35	0.37	-1.10	2.26	-1.50	-0.13	-3.00	-2.58	-3.01	-0.42	2.55	0.12	1.58
CHANGE DELTA-P		-1.75	0.15	1.69	-0.37	0.17	-0.13	0.15	-1.37	0.76	-1.07	0.81	-6.15#	-0.69	3.94#	5.46	5.47	3.77	0.37	-3.86	-1.64	-1.87
1972-73 SE OF DP		1.12	1.78	1.07	1.26	0.64	0.65	0.33	1.64	2.04	3.00	3.35	1.06	1.05	0.93	3.53	2.42	2.15	2.02	1.39	1.99	0.87
1969-70 SE OF DP		1.71	1.50	1.28	1.33	0.85	0.81	0.32	1.64	2.36	4.88	2.35	1.32	0.84	0.92	2.33	1.75	1.78	1.53	1.71	1.39	1.26
SE OF CHANGE DELTA-P		2.04	2.33	1.67	1.83	1.06	1.04	0.46	2.32	3.12	5.73	4.09	1.69	1.34	1.31	4.23	2.99	2.79	2.53	2.20	2.43	1.53
AGE: 13																						
1972-73 P-VALUE	1.83	1.18	3.03	1.73	1.58	2.32	1.33	1.64	2.37	3.01	2.81	2.47	1.64	0.83	4.03	2.26	3.63	0.74	1.63	0.56	1.98	2.45
1972-73 SE OF P-VAL	0.33	0.44	0.82	0.56	0.78	0.54	0.34	0.35	0.57	1.88	1.20	1.13	0.46	0.31	1.02	1.25	1.27	0.39	1.03	0.54	1.03	0.68
1972-73 DELTA-P		-0.65	1.20	-0.10	-0.25	0.49	-0.50	-0.19	0.54	1.18	0.98	0.64	-0.19	-1.00#	2.23*	0.43	1.80	-1.09*	-0.20	-1.27*	0.15	0.62
1972-73 SE OF DP		0.45	0.70	0.48	0.66	0.31	0.32	0.16	0.54	1.79	1.08	0.95	0.36	0.31	0.93	1.20	1.27	0.45	0.95	0.59	0.91	0.53

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

A Do you find science topics interesting?

● Often

○ Sometimes

○ Never

B If so, what kind of topics?

NAEP #: 301009-2

72-73 Report #: RU268
69-70 Report #: U780

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: A. Appreciate facts and simple concepts, laws (principles), and conceptual schemes.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	05-29
69-70 Package-Exercise:	04-17
72-73 National P-val:	
RU268A	19.85
RU268B	72.27
69-70 National P-value:	
RU268A	24.17
RU268B	***

Timing: (in seconds)

	Stimulus:	8
	Response:	6
RU268A	Part total:	14
	Stimulus:	10
	Response:	90
RU268B	Part total:	100
RU268	Exercise total:	114

***Acceptable/Unacceptable data is not available at this time.

Exercise 301009-2; RU 268

A. Do you find science topics interesting?

B. If so, what kind of topics?

00 = no response

Acceptable

10 = Astronomy
When they're to do with the stars and the moon.
About space, planets, ecology or air.
The solar system, stars, environment.
About the rotation of planets.

11 = Space exploration
About what they have learned about in space and under the sea.

12 = Geology; rocks; earth science; oceanography (except life forms); weather
When studying about rock, living things, how they get their food.
Earth science (some of it), prehistoric times (dinosaurs, etc.).

13 = Biology; cells; microorganisms; plants; animals
Topics about reptiles.
Study frogs and other kinds of animals.
Life science, earth science, science on the sea (goes with the first one).
Studying animals and doing experiments with chemicals.
Biology, zoology, sometimes earth science, oceanography. Maybe chemistry.

14 = Human body; medicine; disease
Topics on the living body and parts, ocean life, animal life.
Mostly things that have to do with the human body and life itself. Things that have to do with human reproduction and the course of life.

15 = Evolution; genetics; archeology; fossils
Prehistoric topics, fossils, rocks, atoms.
Topics on prehistoric finds like fossils and bones, and things in ice. Also things having to do with animals of all kinds.
Dinosaurs.

16 = Chemistry; physics; electricity; mechanics
Machines, or simple machines.
Chemicals and animals.
Electrons, electricity, sound, molecules, light.

Exercise 301009-2 (cont.)

17 = Science fiction; new discoveries; things in the future
Interesting topics such as science fiction stories or shows.
Topics were you can find interesting information and more modern updated topics which scientists are working on now.

18 = About scientists; historical scientific events
no examples

19 = Other acceptable. Environment; pollution
Things that are going on in the world today; such as, overpopulation, pollution and so on.
Metric system. Weighing stuff.

Unacceptable

20 = Unacceptable
Well something of science of the world.
About the way we live.
Experiments.

39 = I don't know

EXERCISE: 301009-2 R0268

Attitude toward science topics.

Part A. Do you find science topics interesting?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.81	0.78	0.48	0.42	5.66	2.46	1.20	1.55	1.35	6.90	1.80	1.85	1.34	1.21	4.91	0.40	1.01	0.90	0.62	8.93	0.26	0.22
1969-70 P-VALUE	0.80	0.93	1.12	0.21	0.99	1.16	0.46	0.22	2.69	4.46	2.63	0.39	0.39	0.16	4.88	1.83	2.89	0.00	1.28	0.23	0.33	[illegible]
CHANGE P-VALUE	1.03	-0.15	-0.64	0.21	4.67	1.30	0.74	1.33*	-1.34	2.44	-0.83	1.46	0.95	1.05	0.03	-1.43	-1.88	0.90	-0.66	8.70*	-0.07	-0.37
1972-73 SE OF P-VAL	0.70	0.33	0.26	0.28	2.67	1.02	0.47	0.60	0.66	3.59	1.14	0.85	0.72	0.65	2.21	0.31	0.64	0.56	0.46	4.03	0.25	0.14
1969-70 SE OF P-VAL	[illegible]	0.30	0.55	0.17	0.18	0.38	0.20	0.11	0.69	1.96	2.60	0.19	0.22	0.12	1.15	1.50	1.58	0.00	0.78	0.23	0.31	0.40
SE OF CHANGE P-VALUE	0.72	0.45	0.61	0.33	2.69	1.09	0.51	0.61	0.95	4.09	2.84	0.87	[illegible]	0.66	2.49	1.53	1.70	0.56	0.91	4.04	0.40	0.42
1972-73 DELTA-P		-1.05	-1.35	-1.41	3.83	0.63	-0.63	-0.28*	-0.48	5.07	-0.03	0.02	-0.49	-0.62	3.08	-1.43	-0.82	-0.93	-1.21	7.10*	-1.57*	-1.61*
1969-70 DELTA-P		0.13	0.32	-0.59#	0.19	[illegible]	0.35	-0.58#	1.84#	[illegible]	1.83	-0.41	-0.41	-0.64#	4.08#	1.03	2.09	-0.80#	0.48	-0.57*	-0.47	-0.21
CHANGE DELTA-P		-1.18	-1.67	-0.82	3.64	0.27	-0.29	0.30	-2.37*	1.41	-1.86	0.43	-0.08	0.02	-1.00	-2.46	-2.91	-0.13	-1.69	7.67*	-1.10	-1.40
1972-73 SE OF DP		0.74	0.73	0.72	1.99	[illegible]	0.37	0.13	0.81	3.02	1.13	0.31	0.34	0.60	1.67	0.75	0.91	0.84	0.79	3.41	0.74	0.71
1969-70 SE OF DP		0.27	0.43	0.20	0.20	[illegible]	0.26	0.21	0.60	1.87	2.50	0.23	0.25	0.17	1.10	1.54	1.50	0.16	0.72	0.26	0.33	0.38
SE OF CHANGE DELTA-P		0.79	0.85	0.75	2.00	[illegible]	0.45	0.25	1.01	3.55	2.74	0.39	0.42	0.62	2.00	1.71	1.75	0.86	1.07	3.42	0.81	0.81
RESPONSE: 01* AGE: 13 TEXT: Often																						
1972-73 P-VALUE	19.85	18.27	20.48	21.88	16.33	25.51	14.18	20.45	17.79	15.68	21.41	17.13	20.37	21.75	13.84	23.00	22.65	19.68	16.88	17.14	16.80	22.10
1969-70 P-VALUE	24.17	23.25	26.32	25.34	22.03	30.64	18.09	24.97	24.28	14.80	17.88	21.93	21.16	27.65	22.14	[illegible]	18.60	33.61	21.79	21.67	24.40	23.85
CHANGE P-VALUE	-4.32#	-4.98	-5.84*	-3.46	-1.70	-5.13*	-3.91*	-4.52#	-6.49*	0.88	3.53	-4.80	-0.79	-5.90#	-8.30	0.32	4.05	-13.93#	-4.91	-4.53	-7.60*	-1.75
1972-73 SE OF P-VAL	0.96	2.06	1.54	1.55	2.35	1.58	1.11	1.12	2.28	3.31	3.86	2.54	1.63	1.65	2.17	2.58	3.46	2.72	2.63	2.74	2.43	1.73
1969-70 SE OF P-VAL	0.98	2.45	1.95	1.95	1.77	1.78	1.36	1.09	2.23	3.24	4.26	2.88	1.83	1.65	3.63	4.50	2.69	3.45	2.26	2.25	2.88	1.72
SE OF CHANGE P-VALUE	1.37	3.20	2.41	2.41	2.94	2.38	1.76	1.56	3.19	4.63	5.75	3.84	2.45	2.33	4.23	5.19	4.38	4.39	3.51	3.55	3.77	2.44
1972-73 DELTA-P		-1.58	0.63	2.03	-1.52	5.66#	-5.67#	0.60	-2.06	-4.17	1.56	-2.72	0.52	1.90	-6.01#	3.15	2.80	-0.17	-2.37	-2.71	-3.05	2.25
1969-70 DELTA-P		-0.92	2.15	1.17	-2.14	5.47#	-6.08#	0.80	0.11	-9.37#	-6.29	-2.24	-3.01	3.48#	-2.03	-1.49	-5.57*	9.44#	-2.38	-2.56	0.23	-0.32
CHANGE DELTA-P		-0.66	-1.52	0.86	0.62	-0.81	0.41	-0.20	-2.17	5.20	7.85	-3.48	3.53	-1.58	-3.98	4.64	8.37	-9.61*	-0.59	-0.21	-3.28	2.57
1972-73 SE OF DP		1.79	1.51	1.35	1.92	1.03	0.96	0.39	2.26	[illegible]	3.34	2.52	1.34	1.20	2.05	2.50	3.28	2.67	2.45	2.26	2.41	1.50
1969-70 SE OF DP		2.00	1.72	1.63	1.61	1.28	1.22	0.41	2.20	3.03	4.10	2.66	1.53	1.27	3.64	4.37	2.73	3.22	2.15	2.26	2.67	1.38
SE OF CHANGE DELTA-P		2.68	2.29	2.12	2.51	1.64	1.55	0.57	3.15	4.58	5.62	3.66	2.03	1.75	4.18	5.03	4.27	4.18	3.26	3.20	3.60	2.04
RESPONSE: 02 AGE: 13 TEXT: Sometimes																						
1972-73 P-VALUE	69.26	72.47	71.59	68.87	64.76	62.63	75.91	70.61	55.13	58.90	64.78	74.23	68.20	69.55	69.54	68.38	61.78	72.51	66.52	66.95	74.82	70.20
1969-70 P-VALUE	68.11	68.12	65.53	70.96	67.48	60.20	75.55	69.06	62.26	66.59	75.28	68.26	71.44	66.50	61.46	66.77	67.70	60.04	69.88	73.69	68.79	68.80
CHANGE P-VALUE	1.15	4.35	6.06*	-2.09	-2.72	2.43	0.36	1.55	2.87	-7.69	-10.50	5.97	-3.24	3.05	8.08	1.61	-5.92	12.47#	-3.36	-6.74	6.03	1.40
1972-73 SE OF P-VAL	1.12	2.18	1.64	2.10	2.52	1.65	1.68	1.30	2.01	5.02	3.91	2.77	1.94	1.98	2.80	2.67	3.38	2.58	5.19	3.26	2.45	1.83
1969-70 SE OF P-VAL	1.08	2.83	2.43	2.05	1.56	2.00	1.51	1.20	2.18	4.43	5.02	3.36	2.01	1.90	3.36	3.55	3.10	4.01	2.33	2.74	2.74	1.87
SE OF CHANGE P-VALUE	1.56	3.57	2.93	2.93	2.96	2.59	2.26	1.77	2.97	6.70	6.36	4.35	2.79	2.74	4.37	4.44	4.59	4.77	5.69	4.26	3.68	2.62
1972-73 DELTA-P		[illegible]	2.33	-0.39	-4.50*	-6.63#	6.65#	1.35#	-4.13	-10.36*	-4.48	4.97	-1.06	0.29	0.28	-0.88	-7.48*	3.25	-2.74	-2.31	5.56*	0.94
1969-70 DELTA-P		[illegible]	-2.58	2.85	-0.63	-7.91#	7.44#	0.95	-5.85#	-1.52	[illegible]	0.15	3.33	-1.61	-6.65	-1.34	-0.41	-8.07*	1.77	5.58	0.68	0.69
CHANGE DELTA-P		[illegible]	4.91	-1.24	-3.87	1.28	-0.79	0.40	1.72	-8.84	[illegible]	4.82	-4.39	1.90	6.93	0.46	-7.07	11.32#	-4.51	-7.89	4.88	0.25
1972-73 SE OF DP		1.96	1.64	1.73	2.06	1.29	1.23	0.51	2.18	4.68	[illegible]	2.58	1.56	1.42	2.81	2.61	3.43	2.54	4.70	2.97	2.42	1.62
1969-70 SE OF DP		2.29	2.18	1.80	1.61	1.45	1.38	0.48	2.18	4.18	[illegible]	3.14	1.71	1.40	3.61	3.54	3.03	3.68	2.22	2.82	2.56	1.40
SE OF CHANGE DELTA-P		3.01	2.73	2.50	2.61	1.94	1.85	0.70	3.08	6.27	6.21	4.06	2.31	1.99	4.57	4.40	4.58	4.47	5.20	4.10	3.52	2.14

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 301009-2 RU259

Attitude toward science topics.

Part A. Do you find science topics interesting?

RESPONSE: 03 AGE: 13 TEXT: Never

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.06	8.49	7.45	8.83	11.24	9.40	8.72	7.40	15.73	18.53	12.02	6.80	10.10	7.49	11.70	8.22	14.50	6.91	15.97	6.99	8.12	7.49
1969-70 P-VALUE	6.90	7.68	7.01	3.46	9.48	7.98	5.88	5.73	10.76	14.14	4.20	9.40	6.98	5.67	11.50	8.71	10.73	6.33	7.03	4.40	6.46	6.74
CHANGE P-VALUE	2.16*	0.81	0.44	5.37#	1.76	1.42	2.84*	1.67	4.97	4.39	7.82*	-2.60	3.12*	1.82	0.20	-0.49	3.77	0.58	8.94*	2.59	1.66	0.74
1972-73 SE OF P-VAL	0.75	1.38	1.06	1.19	2.07	0.96	1.06	0.85	2.17	3.82	3.11	1.82	1.21	1.25	1.51	1.34	2.77	1.45	3.84	1.67	2.82	1.03
1969-70 SE OF P-VAL	0.59	1.07	1.59	0.93	1.25	0.89	0.75	0.55	1.79	3.26	1.67	1.49	0.81	0.85	2.35	1.30	1.31	1.56	2.17	1.19	1.39	1.06
SE OF CHANGE P-VALUE	0.95	1.75	1.91	1.51	2.42	1.31	1.30	1.01	2.81	5.02	3.53	2.35	1.46	1.53	2.79	1.56	3.06	2.13	4.41	2.05	3.18	1.48
1972-73 DELTA-P		-0.57	-1.61	-0.23	2.18	0.34	-0.34	-1.66#	6.67#	9.47#	2.96	-2.26	1.04	-1.57	2.64	-0.84	5.50*	-2.15	6.91	-2.07	-0.94	-1.57
1969-70 DELTA-P		0.78	0.11	-3.44#	2.58*	1.08	-1.02	-1.17#	3.86*	7.24*	2.70	2.50	0.08	-1.23*	4.60*	1.81	3.59#	-0.57	0.13	-2.50	-0.44	-0.16
CHANGE DELTA-P		-1.35	-1.72	3.21*	-0.40	-0.74	0.68	-0.49	2.81	2.23	5.66	-4.76#	0.96	-0.34	-1.96	-2.65	1.61	-1.58	6.78	0.43	-0.50	-1.42
1972-73 SE OF DP		1.26	1.08	1.06	1.64	0.68	0.69	0.42	2.26	3.54	3.13	1.67	0.86	0.85	1.61	1.42	2.73	1.41	3.57	1.64	2.53	0.97
1969-70 SE OF DP		0.97	1.14	0.87	1.09	0.58	0.56	0.35	1.57	3.10	1.59	1.39	0.70	0.59	2.19	1.19	1.37	1.49	1.94	1.29	1.33	0.86
SE OF CHANGE DELTA-P		1.59	1.72	1.37	1.97	0.89	0.89	0.55	2.75	4.71	3.51	2.17	1.11	1.03	2.72	3.45	3.05	2.05	4.06	2.09	2.86	1.30

EXERCISE: 301009-2 RU268

Part B. If so, what kind of topics?

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	14.35	11.53	11.25	13.18	21.03	16.07	12.62	11.62	24.50	31.52	18.19	14.12	14.99	9.93	25.07	12.63	22.39	8.66	21.08	18.99	11.70	10.97
1972-73 SE OF P-VAL	1.11	1.45	1.67	1.57	3.30	1.52	1.22	1.04	[illegible]	5.70	4.14	2.54	1.48	1.40	3.07	2.30	3.48	1.35	4.22	4.01	2.93	1.41
1972-73 DELTA-P		-2.82	-3.10	-1.17	6.68#	1.72*	-1.73*	-2.73#	10.15#	17.17#	3.84	-0.23	0.64	-4.42#	10.72#	-1.72	8.04*	[illegible]	6.73	4.64	-2.65	-3.38*
1972-73 SE OF DP		1.55	1.66	1.48	2.55	0.81	0.83	0.53	2.61	5.18	4.22	2.13	0.99	[illegible]	2.58	2.13	3.42	1.53	4.02	3.48	2.73	1.39

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	72.27	73.21	75.16	73.07	67.96	68.26	76.29	76.57	53.24	51.63	59.33	72.71	73.92	79.37	51.55	75.75	59.12	78.50	64.48	67.65	74.96	76.53
1972-73 SE OF P-VAL	1.35	2.11	2.45	2.36	3.44	1.77	1.64	1.31	3.60	4.79	4.36	3.46	1.99	1.63	3.26	3.58	4.51	1.75	4.21	3.88	3.49	2.18
1972-73 DELTA-P		0.94	2.89	0.80	-4.31	-4.01#	4.02#	4.30#	-19.03#	-20.64#	-12.94#	0.44	1.65	7.10#	-20.72#	3.48	-13.15#	6.23#	-7.79	-4.62	2.69	4.26*
1972-73 SE OF DP		2.05	2.27	2.00	2.77	1.05	1.07	[illegible]	3.56	4.48	4.41	3.10	1.45	1.28	2.97	3.40	4.24	1.94	4.06	3.43	3.29	1.35

RESPONSE: 10 AGE: 13 TEXT: Astronomy.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.68	7.85	10.47	8.51	8.12	9.75	7.61	9.18	6.75	5.65	9.49	8.37	8.64	9.73	5.36	10.51	4.84	8.39	6.68	6.10	11.29	10.21
1972-73 SE OF P-VAL	0.75	1.42	1.73	1.22	1.72	0.89	0.98	0.83	1.51	1.68	2.64	2.42	1.39	1.02	1.15	2.23	1.55	2.19	2.52	1.50	1.94	1.74
1972-73 DELTA-P		-0.83	1.79	-0.17	-0.56	1.07	-1.07	0.50	-1.93	-3.03	0.81	-0.31	-0.04	1.05	-3.32*	1.83	-3.84*	-0.29	-2.00	-2.58	2.61	1.53
1972-73 SE OF DP		1.29	1.51	1.08	1.43	0.55	0.55	0.26	1.38	1.70	2.43	2.13	1.06	0.73	1.38	2.24	1.67	2.14	2.29	1.45	1.68	1.36

RESPONSE: 11 AGE: 13 TEXT: Space exploration.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.45	1.59	3.29	2.54	2.43	3.56	1.34	2.82	1.11	0.00	0.50	2.84	2.36	3.17	1.01	4.84	0.76	3.05	3.07	1.22	1.12	2.78
1972-73 SE OF P-VAL	0.41	0.95	0.56	0.96	0.62	0.68	0.33	0.50	0.42	0.00	0.50	0.91	0.62	0.65	0.16	1.77	0.55	2.05	1.27	0.52	0.73	0.59
1972-73 DELTA-P		-0.86	0.84	0.09	-0.02	1.11#	-1.11#	0.37#	-1.34*	-2.45#	-1.95#	0.39	-0.09	0.72*	-1.44#	2.39	-1.69#	0.60	0.62	-1.23*	-1.33	0.33
1972-73 SE OF DP		0.41	0.60	0.73	0.60	0.35	0.35	0.12	0.55	0.41	0.63	0.92	0.41	0.32	0.41	1.55	0.66	1.97	1.22	0.60	0.80	0.51

RESPONSE: 12 AGE: 13 TEXT: Geology; rocks; earth science; oceanography (except life forms); weather.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.48	8.13	7.00	7.61	7.17	7.79	7.19	8.09	4.92	5.46	8.86	3.83	8.62	8.12	4.67	7.00	6.97	11.03	4.05	5.67	8.09	8.57
1972-73 SE OF P-VAL	0.65	1.50	1.01	1.19	1.42	0.93	0.91	0.74	0.92	1.76	2.41	1.35	1.39	0.88	1.08	2.20	1.64	2.63	1.99	1.37	1.26	1.31
1972-73 DELTA-P		0.64	-0.49	0.12	-0.32	0.30	-0.30	0.60#	-3.07#	-2.03	1.37	-3.66#	1.13	0.63	-2.82#	-0.49	-0.52	3.54	-3.44	-1.92	0.60	1.08
1972-73 SE OF DP		1.28	1.00	0.99	1.20	0.65	0.65	0.20	0.95	1.73	2.31	1.36	1.06	0.69	0.99	2.10	1.72	2.50	1.85	1.39	1.23	1.05

RESPONSE: 13 AGE: 13 TEXT: Biology; cells; microorganisms; plants; animals.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	29.80	30.67	31.45	27.69	30.11	24.70	34.91	31.71	21.63	20.11	22.43	30.29	31.04	32.45	21.47	28.14	26.92	32.50	27.75	27.92	30.99	31.45
1972-73 SE OF P-VAL	1.15	2.75	2.19	2.13	1.92	1.14	2.00	1.29	2.65	3.54	3.24	3.39	2.14	1.58	2.31	3.97	4.13	4.97	4.02	2.70	4.08	1.62
1972-73 DELTA-P		0.87	1.65	-2.11	0.31	-5.10#	5.11#	1.91#	-8.17#	-9.69#	-7.37*	0.49	1.24	2.65*	-8.33#	-1.66	-2.88	2.70	-2.05	1.88	1.19	1.65
1972-73 SE OF DP		2.32	2.00	1.73	[illegible]	1.19	1.18	0.43	2.52	3.53	3.37	3.01	1.64	1.23	2.03	3.82	4.31	4.54	3.64	1.60	3.84	1.64

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 301009-2 BU268

Attitude toward science topics.

Part B. If so, what kind of topics?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 14 AGE: 13 TEXT: Human body; medicine; disease.																						
1972-73 P-VALUE	7.58	8.67	6.11	9.33	5.73	4.21	10.96	7.38	6.57	8.37	[illegible]	8.93	7.38	8.00	7.40	7.96	8.89	7.92	8.89	8.45	6.52	6.42
1972-73 SE OF P-VAL	0.68	1.36	0.92	1.55	1.09	0.59	1.17	0.73	2.65	2.64	1.36	2.04	1.29	0.98	1.82	2.77	2.12	1.47	2.12	2.13	1.64	1.18
1972-73 DELTA-P		1.09	-1.47	1.75	-1.85	-3.37*	3.38#	-0.20	0.99	0.79	-3.60*	1.35	-0.20	0.42	-0.18	0.38	1.31	0.34	1.31	0.87	-1.06	-1.16
1972-73 SE OF DP		1.23	0.96	1.16	1.02	0.62	0.63	0.30	1.91	2.50	1.48	1.84	0.97	0.80	1.71	2.64	2.01	1.53	1.93	1.90	1.59	1.01
RESPONSE: 15 AGE: 13 TEXT: Evolution; genetics; archeology; fossils.																						
1972-73 P-VALUE	2.65	1.91	3.16	2.29	3.34	2.40	[illegible]	2.74	2.32	2.11	0.54	4.00	2.44	2.61	3.29	4.15	1.26	2.16	0.80	3.92	3.02	2.56
1972-73 SE OF P-VAL	0.40	0.62	0.57	0.72	1.11	0.58	0.46	0.45	1.05	0.99	0.40	1.24	0.50	0.65	1.20	1.56	0.99	0.92	0.61	[illegible]	0.81	0.50
1972-73 DELTA-P		-0.74	0.51	-0.36	0.69	-0.25	0.25	0.09	-0.33	-0.54	-2.11#	1.35	-0.21	-0.04	0.64	1.50	-1.39	-0.49	-1.85#	1.27	0.37	-0.09
1972-73 SE OF DP		0.60	0.59	0.61	0.88	0.34	0.34	0.17	1.07	0.84	0.51	1.17	0.52	0.40	1.05	1.40	0.99	0.87	0.66	1.42	0.82	0.53
RESPONSE: 16 AGE: 13 TEXT: Chemistry; physics; electricity; mechanics.																						
1972-73 P-VALUE	10.01	11.03	9.57	11.57	7.57	12.24	7.77	10.68	6.59	7.76	11.51	11.87	8.96	11.68	5.42	7.49	7.12	9.82	10.18	11.38	10.40	10.76
1972-73 SE OF P-VAL	0.74	1.36	1.16	1.44	1.74	1.15	0.83	0.80	1.47	2.46	2.90	1.54	1.24	1.35	1.26	1.61	1.40	2.13	2.77	2.01	1.35	1.62
1972-73 DELTA-P		1.02	-0.44	1.56	-2.44	2.23#	-2.24#	0.67#	-3.42*	-2.25	1.50	1.86	-1.05	1.67	-4.59#	-2.52	-2.89*	-0.19	0.17	1.37	0.39	0.75
1972-73 SE OF DP		1.24	1.15	1.17	1.44	0.68	0.66	0.24	1.52	2.18	2.80	1.60	1.03	1.01	1.18	1.75	1.39	2.00	2.17	1.79	1.36	1.30
RESPONSE: 17 AGE: 13 TEXT: Science fiction; new discoveries; things in the future.																						
1972-73 P-VALUE	1.70	1.01	2.24	2.02	1.50	1.92	1.48	1.84	1.10	0.99	0.57	1.66	2.07	1.79	1.04	1.86	1.50	0.89	1.33	1.89	1.92	1.97
1972-73 SE OF P-VAL	0.30	0.54	0.68	0.57	0.61	0.44	0.36	0.35	0.49	0.71	0.58	0.82	0.57	0.44	0.61	0.78	0.70	0.56	0.64	0.77	0.81	0.56
1972-73 DELTA-P		-0.69	0.54	0.32	-0.20	0.22	-0.22	0.14	-0.60	-0.71	-1.13	-0.04	0.37	0.09	-0.66	0.16	-0.20	-0.81	-0.37	0.19	0.22	0.27
1972-73 SE OF DP		0.50	0.60	0.47	0.53	0.27	0.26	0.10	0.53	0.70	0.63	0.82	0.40	0.34	0.52	0.72	0.65	0.53	0.62	0.67	0.75	0.44
RESPONSE: 18 AGE: 13 TEXT: About scientists; historical scientific events.																						
1972-73 P-VALUE	0.32	0.52	0.50	0.31	0.00	0.11	0.53	0.31	0.53	0.00	0.00	0.00	0.35	0.23	0.90	0.00	0.51	0.61	0.42	0.00	0.20	0.46
1972-73 SE OF P-VAL	0.12	0.32	0.28	0.23	0.00	0.11	0.21	0.13	0.38	0.00	0.00	0.00	0.22	0.15	0.54	0.00	0.50	0.46	0.39	0.00	0.22	0.25
1972-73 DELTA-P		0.20	0.18	-0.01	-0.32#	-0.21	0.21	-0.01	0.21	-0.32#	-0.32#	-0.32#	0.03	-0.09	0.58	-0.32#	0.19	0.29	0.10	-0.32#	-0.12	0.14
1972-73 SE OF DP		0.26	0.24	0.19	0.12	0.12	0.12	0.05	0.34	0.12	0.12	0.12	0.17	0.13	0.48	0.12	0.47	0.42	0.35	0.12	0.22	0.20
RESPONSE: 19 AGE: 13 TEXT: Other Acceptable Responses: Environment; pollution; metric system; weights.																						
1972-73 P-VALUE	1.58	[illegible]	1.38	1.19	1.99	1.58	1.58	1.81	0.21	1.18	1.44	0.90	2.06	1.57	0.97	3.78	0.34	2.13	1.29	1.09	1.42	1.35
1972-73 SE OF P-VAL	0.33	0.55	0.47	0.90	0.46	0.40	0.38	0.39	0.21	0.81	0.52	0.58	0.93	0.34	0.51	2.56	0.33	0.74	0.57	0.55	0.52	0.50
1972-73 DELTA-P		[illegible]	-0.20	-0.39	0.41	0.00	0.00	0.23#	-1.37#	-0.40	-0.14	-0.68	0.48	-0.01	-0.61	2.20	-1.24#	0.55	-0.29	-0.49	-0.16	-0.23
1972-73 SE OF DP		0.52	0.48	0.66	0.47	0.20	0.21	0.09	0.37	0.80	0.56	0.63	0.67	0.37	0.55	2.31	0.45	0.74	0.61	0.58	0.61	0.50
RESPONSE: 20 AGE: 13 TEXT: All Unacceptable Responses: Something of science of the world; about the way we live; experiments.																						
1972-73 P-VALUE	11.18	12.72	11.08	12.03	8.82	13.28	9.08	10.14	17.90	11.63	17.35	11.89	9.04	9.49	18.41	7.30	13.39	12.03	12.33	10.91	12.30	10.88
1972-73 SE OF P-VAL	0.72	1.12	1.46	1.50	1.46	0.99	0.98	0.82	1.91	3.60	4.84	2.78	1.19	1.12	2.22	1.34	1.96	1.92	2.27	2.20	1.71	1.36
1972-73 DELTA-P		1.54	-0.10	0.85	-2.36	2.10#	-2.10#	-1.04#	6.72#	0.45	6.17	0.71	-2.14*	-1.69*	7.23#	-3.88#	2.21	0.85	1.15	-0.27	1.12	-0.30
1972-73 SE OF DP		1.08	1.32	1.20	1.24	0.66	0.66	0.37	1.96	3.47	4.86	2.75	1.04	0.76	2.02	1.30	1.94	1.73	2.22	1.94	1.63	1.13
RESPONSE: 39 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.20	2.54	2.50	1.72	2.20	2.39	2.01	1.66	4.37	5.22	5.13	1.27	2.05	1.22	4.96	4.33	5.11	0.80	2.11	2.46	1.04	1.62
1972-73 SE OF P-VAL	0.34	[illegible]	0.30	0.55	0.64	0.44	0.44	0.37	1.04	1.69	1.77	0.83	0.68	0.38	1.13	1.24	1.64	0.59	1.36	0.83	0.48	0.40
1972-73 DELTA-P		0.34	0.30	-0.48	0.00	0.19	-0.19	-0.54#	2.17*	3.02	2.93	-0.93	-0.15	-0.98#	2.76#	2.13	2.91	-1.40#	-0.09	0.26	-1.16	-0.58
1972-73 SE OF DP		0.82	0.41	0.49	0.57	0.28	0.28	0.19	1.00	1.62	1.71	0.87	0.54	0.38	0.97	1.16	1.57	0.50	1.18	0.73	0.58	0.47

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

A. Outside of school, how often do you read stories or articles about science or scientists, often, sometimes, or never?

- ● Often (Go to B)
- ○ Sometimes (Go to B)
- ○ Never (End the exercise)

B. What have you read most recently?

NAEP #: 301010-2

72-73 Report #: RU241
69-70 Report #: U774

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: A. Appreciate facts and simple concepts, laws (principles), and conceptual schemes.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Individual

Age:	13
72-73 Package-Exercise:	12-07
69-70 Package-Exercise:	13-09
72-73 National P-val:	
RU241A	11.40
RU241B	42.14
69-70 National P-value:	
RU241A	19.04
RU241B	***

Timing: No paced tape was used in this individually administered exercise.

***Acceptable/Unacceptable data is not available at this time.

Exercise 301010-2; RU 241

A. Outside of school, how often do you read stories or articles about science or scientists; often, sometimes, or never?

B. What have you read most recently?

00 = no response

Acceptable

10 = Space exploration and astronomy
Popular Science - moon landing.
About solar system - sun and stars.

11 = Geology
Articles on rocks and minerals.

12 = Weather
About hurricanes.
About how you make rain, clouds and stuff in jars.

13 = Animals and plant life.
Article on insects.
Looked up the hermit crab in the encyclopedia.

14 = Medicine and drugs.
Heart transplant.
About drugs people take.

15 = Weapons, cars, machines, mechanical inventions.
About building a mechanical nose.
The jet and how it works.
New vehicles - Honda 750.

16 = Chemistry.
... and chemistry in the encyclopedia.

17 = Science Fiction.

18 = About scientists and their lives.

19 = Other acceptable.

- -

Unacceptable

20 = Names a general science magazine or general book (only).

21 = Other unacceptable.

39 = I don't know.

EXERCISE: 301010-2 RU241

Attitude toward reading about science or scientists.

Part A. Outside of school, how often do you read stories or articles about science or scientists?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969-70 P-VALUE	0.02	0.00	0.00	0.00	0.09	0.04	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.18	0.00	0.00	0.00
CHANGE P-VALUE	-0.02	0.00	0.00	0.00	-0.09	-0.04	0.00	0.00	0.00	-0.43	0.00	0.00	0.00	0.00	-0.33	0.00	0.00	0.00	-0.18	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.02	0.00	0.00	0.00	0.09	0.04	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.18	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.02	0.00	0.00	0.00	0.09	0.04	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.18	0.00	0.00	0.00
1972-73 DELTA-P		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969-70 DELTA-P		-0.02	-0.02	-0.02	0.07	0.02	-0.02	-0.02	-0.02	0.41	-0.02	-0.02	-0.02	-0.02	0.31	-0.02	-0.02	-0.02	0.16	-0.02	-0.02	-0.02
CHANGE DELTA-P		0.02	0.02	0.02	-0.07	-0.02	0.02	0.02	0.02	-0.41	0.02	0.02	0.02	0.02	-0.31	0.02	0.02	0.02	-0.16	0.02	0.02	0.02
1972-73 SE OF DP		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969-70 SE OF DP		0.02	0.02	0.02	0.07	0.02	0.02	0.02	0.02	0.43	0.02	0.02	0.02	0.02	0.31	0.02	0.02	0.02	0.16	0.02	0.02	0.02
SE OF CHANGE DELTA-P		0.02	0.02	0.02	0.07	0.02	0.02	0.02	0.02	0.43	0.02	0.02	0.02	0.02	0.31	0.02	0.02	0.02	0.16	0.02	0.02	0.02
RESPONSE: 01* AGE: 13 TEXT: Often (Go to B)																						
1972-73 P-VALUE	11.40	10.06	13.68	11.51	10.51	12.97	9.88	10.69	15.95	11.66	15.41	10.83	7.62	13.19	14.68	17.33	11.42	7.38	13.19	7.62	12.90	11.52
1969-70 P-VALUE	19.04	20.19	23.31	16.03	17.81	25.49	12.15	19.04	19.11	18.85	23.31	15.12	20.49	19.02	14.55	21.65	15.98	18.52	15.47	16.67	15.76	23.02
CHANGE P-VALUE	-7.64#	-10.13#	-9.63#	-4.52	-7.30#	-12.52#	-2.27	-8.35#	-3.16	-7.19	-7.90	-4.29	-12.87#	-5.83#	0.13	-4.32	-4.56	-11.14#	-2.28	-9.05#	-2.86	-11.50#
1972-73 SE OF P-VAL	0.77	1.21	1.31	1.67	1.77	1.17	1.11	0.83	2.56	3.24	3.07	2.08	0.91	1.42	3.69	2.85	1.87	1.68	2.63	1.57	2.59	1.29
1969-70 SE OF P-VAL	1.04	1.96	2.31	2.32	1.69	1.82	1.19	1.15	3.42	4.10	5.81	3.47	1.87	1.70	4.37	4.07	3.28	2.88	2.53	2.96	2.30	2.02
SE OF CHANGE P-VALUE	1.29	2.30	2.66	2.86	2.45	2.16	1.63	1.42	4.27	5.23	6.57	4.05	2.08	2.22	5.85	4.97	3.78	3.33	3.65	3.35	3.46	2.40
1972-73 DELTA-P		-1.34	2.28	0.11	-0.89	1.57	-1.52	-0.71	4.55	0.26	4.01	-0.57	-3.78#	1.79	3.28	5.93*	0.02	-4.02*	1.79	-3.78*	1.50	0.12
1969-70 DELTA-P		1.15	4.27*	-3.01	-1.23	6.45#	-6.89#	0.00	0.07	-0.19	4.27	-3.92	1.45	-0.02	-4.49	2.61	-3.06	-0.52	-3.57	-2.37	-3.28	3.99#
CHANGE DELTA-P		-2.49	-1.99	3.12	9.34	-4.89#	5.37#	-0.71	4.48	0.45	-0.26	3.35	-5.23#	1.81	7.77	3.32	3.08	-3.50	5.36	-1.41	4.78	-3.86*
1972-73 SE OF DP		1.15	1.23	1.34	1.49	0.85	0.82	0.42	2.44	3.04	3.00	2.05	0.96	0.94	3.73	2.70	1.89	1.62	2.43	1.52	2.32	1.06
1969-70 SE OF DP		1.71	2.09	1.83	1.64	1.36	1.20	0.53	3.18	4.03	5.68	3.44	1.45	1.40	4.22	3.87	3.09	2.66	2.45	2.89	2.17	1.55
SE OF CHANGE DELTA-P		2.06	2.43	2.27	2.22	1.44	1.45	0.68	4.01	5.05	6.42	4.00	1.74	1.69	5.63	4.72	3.62	3.11	3.45	3.27	3.18	1.88
RESPONSE: 02 AGE: 13 TEXT: Sometimes (Go to B)																						
1972-73 P-VALUE	60.31	62.60	65.73	61.27	51.78	59.09	61.49	62.13	55.08	47.69	47.26	59.49	63.99	62.16	50.91	55.96	48.56	60.37	60.29	56.90	64.41	63.89
1969-70 P-VALUE	64.26	61.43	63.15	68.71	62.88	61.17	67.58	65.60	59.16	54.80	57.68	60.70	63.17	67.71	56.56	60.76	53.83	61.88	65.79	69.04	68.04	64.23
CHANGE P-VALUE	-3.95*	1.17	2.58	-7.44*	-11.10#	-2.08	-6.09*	-3.47	-4.08	-7.11	-10.42	-1.21	0.82	-5.55	-5.65	-4.80	-5.27	-1.51	-5.50	-12.14#	-3.63	-0.34
1972-73 SE OF P-VAL	1.41	3.29	2.16	2.48	2.87	1.70	1.75	1.61	3.42	4.50	4.19	4.13	2.38	2.12	3.77	4.99	3.09	4.43	4.92	3.86	[illegible]	2.28
1969-70 SE OF P-VAL	1.15	2.57	1.90	1.76	2.73	1.81	1.76	1.26	3.36	5.81	5.44	4.28	2.07	1.90	4.75	4.56	3.33	3.17	2.81	[illegible]	[illegible]	1.92
SE OF CHANGE P-VALUE	1.82	4.17	2.86	3.04	3.96	2.48	2.48	2.04	4.79	7.04	6.87	5.95	3.15	2.85	6.06	6.76	4.92	5.45	5.67	4.62	4.24	2.98
1972-73 DELTA-P		2.29	5.42#	0.96	-8.53#	-1.22	1.18	[illegible]	-5.23	-12.62#	-13.05#	-0.82	3.68	1.85	-9.40#	-4.35	-11.75#	0.06	-0.02	-3.41	4.10	3.58
1969-70 DELTA-P		-2.83	-1.11	4.45#	-1.38	-3.09*	3.32*	[illegible]	-5.10	-9.46	-6.58	-3.56	-1.09	3.45*	-7.70	-3.50	-10.43#	-2.38	1.53	4.78	3.76	-0.03
CHANGE DELTA-P		5.12	6.53*	-3.49	-7.15*	1.87	-2.14	0.48	-0.13	-3.16	-6.47	2.74	4.77	-1.60	-1.70	-0.85	-1.32	2.44	-1.55	-3.19	0.32	3.61
1972-73 SE OF DP		2.71	2.08	2.16	2.49	1.01	0.96	0.61	3.35	4.42	4.13	3.87	1.96	[illegible]	3.45	5.06	2.97	3.95	4.33	3.32	2.81	1.98
1969-70 SE OF DP		2.12	1.85	1.62	2.26	1.35	1.41	0.57	3.16	5.24	5.54	4.08	1.81	[illegible]	4.43	4.33	3.64	2.86	2.71	2.46	2.87	1.63
SE OF CHANGE DELTA-P		3.44	2.78	2.70	3.36	1.69	1.71	0.83	4.61	6.86	6.91	5.62	2.67	[illegible]	5.61	6.66	4.70	4.88	5.11	4.13	4.02	2.56

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 301010-2 RU241

Attitude toward reading about science or scientists.

Part A. Outside of school, how often do you read stories or articles about science or scientists?

RESPONSE: 03 AGE: 13 TEXT: Never (End the exercise)

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	28.29	27.34	20.59	27.22	37.71	27.94	28.62	27.18	28.96	40.66	37.34	29.67	28.40	24.65	34.41	26.70	40.03	32.26	26.52	35.49	22.69	24.59
1969-70 P-VALUE	16.69	18.39	13.55	15.28	19.24	13.30	20.29	15.37	21.74	25.93	19.02	24.19	16.36	13.28	28.57	17.60	30.20	19.61	18.58	14.30	16.22	12.76
CHANGE P-VALUE	11.60#	8.95#	7.04*	11.94#	18.47#	14.64#	8.33#	11.81#	7.22*	14.73	18.32*	5.48	12.04#	11.37#	5.84	9.10	9.83	12.65*	7.94	21.19#	6.47	11.83#
1972-73 SE OF P-VAL	1.45	3.07	2.11	2.81	3.12	1.53	1.89	1.65	2.88	5.57	5.10	4.34	2.61	1.76	4.01	4.58	3.32	4.18	4.19	3.64	2.91	2.23
1969-70 SE OF P-VAL	0.94	1.48	2.43	1.94	1.95	1.22	1.48	1.02	2.11	5.30	5.51	3.40	1.66	1.22	4.08	3.79	3.76	3.10	2.34	2.37	2.99	1.43
SE OF CHANGE P-VALUE	1.73	3.41	3.22	3.41	3.68	1.96	2.40	1.94	3.57	7.69	7.51	5.51	3.09	2.14	5.72	5.94	5.02	5.20	4.80	4.34	4.17	2.65
1972-73 DELTA-P		-0.95	-7.70#	-1.07	9.42#	-0.35	0.33	-1.11	0.67	12.37*	9.05	1.38	0.11	-3.64	6.12	-1.59	11.74#	3.97	-1.77	7.20*	-5.60	-3.70*
1969-70 DELTA-P		1.70	-3.14	-1.41	2.55	-3.39#	3.60#	-1.32#	5.05#	9.24	2.33	7.50#	-0.33	-3.41	11.88#	0.91	13.51#	2.92	1.89	-2.39	-0.47	-3.93#
CHANGE DELTA-P		-2.65	-4.56	0.34	6.87*	3.04*	-3.27*	0.21	-4.38	3.13	6.72	-6.12	0.44	-0.23	-5.76	-2.50	-1.77	1.05	-3.66	9.59*	-5.13	0.23
1972-73 SE OF DP		2.61	2.07	2.35	2.68	0.95	0.92	0.60	2.96	5.39	[illegible]	3.87	1.93	1.41	3.74	4.53	3.30	3.82	3.72	3.13	2.85	1.69
1969-70 SE OF DP		1.39	2.09	1.64	1.74	0.96	1.00	0.43	1.69	5.13	5.39	2.98	1.37	1.05	1.94	3.66	3.53	2.97	2.30	2.45	2.58	1.26
SE OF CHANGE DELTA-P		2.96	2.94	2.87	3.20	1.35	1.36	0.74	3.51	7.44	7.35	4.88	2.37	1.76	5.83	5.79	4.83	4.84	4.37	3.97	3.84	2.11

EXERCISE: 301010-2 RU241

Part B. What have you read most recently? (Not asked unless Part A response was "often" or "sometimes.")

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.26	1.48	1.05	0.98	1.55	1.24	1.28	1.42	0.14	1.37	1.12	1.36	1.59	1.18	0.46	1.37	0.00	3.15	1.01	0.26	0.92	1.46
1972-73 SE OF P-VAL	0.29	0.54	0.44	0.30	0.91	0.44	0.30	0.35	0.14	0.95	0.65	0.97	0.50	0.51	0.46	0.88	0.00	1.58	0.51	0.15	0.62	0.38
1972-73 DELTA-P		0.22	-0.21	-0.28	0.29	-0.02	0.02	0.16	-1.12#	0.11	-0.14	0.10	0.33	-0.08	-0.80	0.11	-1.26#	1.89	-0.25	-1.00#	-0.34	0.20
1972-73 SE OF DP		0.46	0.44	0.35	0.72	0.24	0.23	0.10	0.31	0.95	0.67	0.99	0.49	0.34	0.50	0.84	0.29	1.36	0.45	0.33	0.59	0.36

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	42.14	36.47	51.69	42.35	38.74	44.50	39.86	42.20	46.60	33.07	29.86	46.99	42.72	44.79	33.32	44.18	34.77	34.82	44.06	29.70	47.28	48.39
1972-73 SE OF P-VAL	1.58	3.58	3.38	2.86	2.61	2.16	1.70	[illegible]	3.12	5.05	3.74	4.90	2.61	1.81	4.00	4.84	4.06	4.02	3.33	3.34	3.09	2.85
1972-73 DELTA-P		-5.67	9.55#	0.21	-3.40	2.36*	-2.28*	0.06	4.46	-9.07	-12.28#	4.85	0.58	2.65	-8.82*	2.04	-7.37	-7.32	1.92	-12.44#	5.14	6.25#
1972-73 SE OF DP		3.11	2.84	2.46	2.58	1.16	1.14	0.61	3.08	5.02	3.68	4.28	1.71	1.55	3.81	4.46	4.01	3.95	3.37	3.10	2.99	1.96

RESPONSE: 10 AGE: 13 TEXT: Space exploration and astronomy.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.02	7.92	13.01	7.82	7.81	10.47	7.62	8.97	8.98	9.78	6.58	9.88	10.40	9.00	5.32	7.53	6.87	8.72	6.48	5.72	11.24	11.41
1972-73 SE OF P-VAL	0.85	1.87	2.44	1.22	1.25	1.11	1.04	1.03	1.62	2.88	2.26	2.49	1.29	0.98	1.77	1.86	1.88	2.23	1.58	1.40	2.87	1.60
1972-73 DELTA-P		-1.10	3.99*	-1.20	-1.21	1.45*	-1.40*	-0.05	-0.04	0.76	-2.44	0.86	1.38	-0.02	-3.70*	-1.49	-2.15	-0.30	-2.54	-3.30*	2.22	2.39*
1972-73 SE OF DP		1.61	1.98	1.17	1.23	0.68	0.66	0.37	1.72	2.85	2.02	2.18	0.91	0.76	1.58	1.87	1.90	2.19	1.65	1.50	2.47	1.09

RESPONSE: 11 AGE: 13 TEXT: Geology.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.34	2.17	3.60	2.46	1.19	2.16	2.51	2.17	4.37	0.67	3.89	3.36	2.46	1.49	3.08	3.33	2.83	0.55	3.31	1.10	1.50	3.14
1972-73 SE OF P-VAL	0.34	0.64	0.98	0.58	0.40	0.51	0.55	0.37	1.38	0.47	1.74	1.23	0.59	0.46	1.19	1.31	1.51	0.43	1.35	0.74	0.60	0.76
1972-73 DELTA-P		-0.17	1.26	0.12	-1.15#	-0.18	0.17	-0.17	2.03	-1.67#	1.55	1.02	0.12	-0.85	0.74	0.99	0.49	-1.79#	0.97	-1.24	-0.84	0.80
1972-73 SE OF DP		0.60	0.79	0.52	0.45	0.41	0.39	0.19	1.25	0.56	1.60	1.16	0.45	0.47	1.10	1.24	1.47	0.51	1.26	0.71	0.68	0.60

RESPONSE: 12 AGE: 13 TEXT: Weather.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.02	0.65	1.65	1.42	0.35	1.15	0.89	0.93	1.64	0.97	0.59	0.86	1.90	0.57	0.33	4.51	0.24	0.52	1.46	0.00	0.63	0.78
1972-73 SE OF P-VAL	0.25	0.41	0.81	0.40	0.17	0.45	0.27	0.29	0.67	0.55	0.35	0.55	0.73	0.28	0.32	2.08	0.25	0.43	0.76	0.00	0.42	0.36
1972-73 DELTA-P		-0.37	0.63	0.40	-0.67*	0.13	-0.13	-0.09	0.62	-0.05	-0.43	-0.16	0.88	-0.45	-0.69	3.49	-0.78#	-0.50	0.44	-1.02#	-0.39	-0.24
1972-73 SE OF DP		0.38	0.64	0.36	0.27	0.28	0.27	0.11	0.64	0.58	0.38	0.61	0.53	0.31	0.38	1.91	0.28	0.44	0.71	0.25	0.50	0.36

RESPONSE: 13 AGE: 13 TEXT: Animals and plant life.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.40	7.79	12.31	9.43	8.29	9.86	8.96	8.90	12.46	9.84	10.02	12.41	9.06	8.85	9.07	9.82	8.98	4.44	9.62	5.84	8.46	13.01
1972-73 SE OF P-VAL	0.85	1.47	2.65	1.30	1.16	1.25	0.96	0.99	2.01	2.41	2.37	4.52	1.05	0.89	2.25	1.90	2.19	1.48	1.60	1.74	1.85	1.80
1972-73 DELTA-P		-1.61	2.91	0.03	-1.11	0.46	-0.44	-0.50	3.06	0.44	0.62	3.01	-0.34	-0.55	-0.33	0.42	-0.42	-4.96#	0.22	-3.56*	-0.94	3.61#
1972-73 SE OF DP		1.38	2.10	1.21	1.19	0.74	0.71	0.35	1.94	2.40	2.38	4.01	1.01	0.71	2.04	1.62	2.25	1.63	1.69	1.77	1.76	1.17

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 301010-2 80241

Attitude toward reading about science or scientists.

Part B. What have you read most recently? (Not asked unless Part A response was "often" or "sometimes.")

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 14 AGE: 13 TEXT: Medicine and drugs.																						
1972-73 P-VALUE	3.83	2.01	4.49	4.99	3.71	2.92	4.71	4.08	4.02	0.43	1.66	2.18	4.06	5.03	1.61	4.58	2.43	5.16	3.78	2.85	4.31	3.66
1972-73 SE OF P-VAL	0.55	0.73	1.29	1.18	1.05	0.55	0.81	0.61	1.64	0.41	0.98	0.84	0.87	0.87	0.68	1.52	1.18	1.79	1.26	1.27	1.55	0.79
1972-73 DELTA-P		-1.82*	0.66	1.16	-0.12	-0.91*	0.88*	0.25	0.19	-3.40#	-2.17*	-1.65	0.23	1.20*	-2.22#	0.75	-1.40	1.33	-0.05	-0.98	0.48	-0.17
1972-73 SE OF DP		0.75	1.10	0.95	0.93	0.42	0.42	0.23	1.50	0.66	1.06	0.88	0.61	0.52	0.66	1.45	1.17	1.56	1.09	1.20	1.42	0.67
RESPONSE: 15 AGE: 13 TEXT: Weapons, cars, machines, mechanical inventions.																						
1972-73 P-VALUE	2.64	2.02	2.96	2.87	2.70	3.51	1.80	2.70	2.30	2.52	0.14	0.56	3.29	3.43	1.34	1.79	3.48	2.63	2.80	3.52	2.61	2.30
1972-73 SE OF P-VAL	0.37	0.70	0.91	0.45	0.93	0.55	0.45	0.41	[illegible]	[illegible]	0.14	0.40	0.74	0.71	0.80	0.79	1.67	1.12	1.17	1.28	1.16	0.66
1972-73 DELTA-P		-0.62	0.32	0.23	0.06	0.87*	-0.84#	0.06	[illegible]	0.12	-2.50#	-2.08#	0.65	0.79	-1.30	-0.85	0.84	-0.01	0.16	0.88	-0.03	-0.34
1972-73 SE OF DP		0.63	0.77	0.47	0.76	0.35	0.33	0.19	0.94	1.65	0.39	0.57	0.58	0.50	0.89	0.77	1.64	1.13	1.05	1.17	1.10	0.56
RESPONSE: 16 AGE: 13 TEXT: Chemistry.																						
1972-73 P-VALUE	1.85	2.15	1.59	1.69	1.98	1.90	1.80	1.94	1.12	2.12	2.17	4.25	1.59	1.69	0.54	1.04	0.80	1.57	3.13	0.42	3.59	1.90
1972-73 SE OF P-VAL	0.34	0.85	0.59	0.48	0.74	0.44	0.54	0.41	0.52	1.26	1.33	1.29	0.41	0.63	0.39	0.56	0.85	0.75	1.19	0.40	1.16	0.44
1972-73 DELTA-P		0.30	-0.26	-0.16	0.13	0.05	-0.05	0.09	-0.73	0.27	0.32	2.40	-0.26	-0.16	-1.31*	-0.81	-1.05	-0.28	1.28	-1.43#	1.74	0.05
1972-73 SE OF DP		0.70	0.55	0.46	0.63	0.37	0.36	0.14	0.59	1.25	1.20	1.23	0.42	0.43	0.53	0.59	0.86	0.63	1.05	0.39	1.03	0.35
RESPONSE: 17 AGE: 13 TEXT: Science fiction.																						
1972-73 P-VALUE	2.92	3.28	2.94	[illegible]	3.32	3.78	2.09	2.86	3.23	3.04	1.16	2.64	2.94	3.32	2.86	1.78	2.43	2.38	5.42	2.90	3.18	2.63
1972-73 SE OF P-VAL	0.42	0.75	1.06	0.61	0.92	0.64	0.45	0.44	1.11	2.37	0.80	1.10	0.78	0.80	1.29	0.88	1.15	0.97	2.00	1.00	1.49	0.51
1972-73 DELTA-P		0.36	-0.08	-0.59	0.40	0.86*	-0.83*	-0.06	0.31	0.12	-1.76	-0.28	0.02	0.40	-0.06	-1.14	-0.49	-0.54	2.50	-0.02	0.26	-0.29
1972-73 SE OF DP		0.68	0.89	0.58	0.78	0.37	0.36	0.23	0.94	2.33	0.93	1.05	0.69	0.56	1.26	0.91	1.15	0.97	1.87	0.98	1.24	0.44
RESPONSE: 18 AGE: 13 TEXT: About scientists and their lives.																						
1972-73 P-VALUE	3.78	[illegible]	3.70	3.44	3.76	3.46	4.09	3.92	3.64	2.38	1.51	3.28	3.31	5.12	2.21	2.19	2.55	2.11	4.47	5.12	6.83	3.08
1972-73 SE OF P-VAL	0.44	[illegible]	0.59	0.82	0.95	0.55	0.61	0.50	0.93	1.35	0.91	1.26	0.67	0.92	1.06	1.17	1.17	0.96	1.69	1.46	1.26	0.59
1972-73 DELTA-P		[illegible]	-0.08	-0.34	-0.02	[illegible]	0.31	0.14	-0.14	-1.40	-2.27*	-0.50	-0.47	1.34	-1.57	-1.59	-1.23	-1.67	0.69	1.34	3.05#	-0.70
1972-73 SE OF DP		0.86	0.62	0.69	0.81	0.46	0.44	0.17	0.91	1.32	1.00	1.21	0.57	0.67	1.08	1.12	1.18	0.98	1.51	1.34	1.14	0.55
RESPONSE: 19 AGE: 13 TEXT: Other Acceptable Responses.																						
1972-73 P-VALUE	[illegible]	4.22	5.57	5.91	5.64	5.30	5.40	5.75	4.87	1.34	2.16	7.57	3.73	6.29	6.97	7.63	4.18	6.75	3.62	2.25	4.95	6.49
1972-73 SE OF P-VAL	[illegible]	0.90	1.16	1.34	1.02	1.00	0.70	0.68	1.26	0.97	1.13	1.88	0.66	1.03	3.18	2.84	1.39	1.62	1.26	0.79	1.55	0.98
1972-73 DELTA-P		-1.13	0.22	0.56	0.29	-0.05	0.05	0.40	-0.48	-4.01#	-3.19*	2.22	-1.62*	0.94	1.62	2.28	-1.17	1.40	-1.71	-3.10#	-0.40	1.14
1972-73 SE OF DP		0.85	1.04	1.05	0.93	0.66	0.63	0.23	1.27	1.02	1.40	1.80	0.68	0.72	2.95	2.55	1.45	1.60	1.26	0.87	1.39	0.75
RESPONSE: 02 AGE: 13 TEXT: All Unacceptable Responses.																						
1972-73 P-VALUE	19.88	27.26	18.75	20.24	12.99	18.65	21.06	20.47	17.14	17.71	21.85	15.23	20.24	20.71	18.90	20.29	18.17	25.55	23.61	21.74	18.38	16.60
1972-73 SE OF P-VAL	1.17	2.91	2.62	1.95	1.87	1.58	1.66	1.35	2.53	3.86	3.25	2.58	1.78	1.80	2.98	2.23	2.85	5.71	3.83	2.44	2.80	1.74
1972-73 DELTA-P		7.38#	-1.13	0.36	-6.89#	-1.23	1.18	0.59	-2.74	-2.17	1.97	-4.65	0.36	0.83	-0.98	0.41	-1.71	5.67	3.73	1.86	-1.50	-3.28*
1972-73 SE OF DP		2.45	2.25	1.74	1.77	1.15	1.12	0.51	2.44	3.76	3.26	2.33	1.28	1.24	2.91	2.24	2.57	5.23	3.90	2.19	2.53	1.45
RESPONSE: 20 AGE: 13 TEXT: Names a general science magazine or general book (only).																						
1972-73 P-VALUE	2.60	2.30	2.18	3.49	2.25	3.23	1.99	2.58	3.08	2.01	2.76	0.46	[illegible]	3.19	2.10	4.59	3.30	2.03	3.39	3.02	2.43	1.68
1972-73 SE OF P-VAL	0.34	0.43	0.61	0.77	0.74	0.65	0.43	0.39	1.05	0.86	1.45	0.34	0.68	0.58	1.10	1.14	2.02	0.76	1.24	1.05	0.73	0.50
1972-73 DELTA-P		-0.30	-0.42	0.89	-0.35	0.63	-0.61	-0.02	0.48	-0.59	0.16	-2.14#	0.09	0.59	-0.50	1.99	0.76	-0.57	0.79	0.42	-0.17	-0.92*
1972-73 SE OF DP		0.45	0.56	0.61	0.63	0.44	0.43	0.16	1.02	0.83	1.53	0.44	0.54	0.41	1.05	1.06	1.91	0.78	1.17	0.98	0.70	0.43
RESPONSE: 21 AGE: 13 TEXT: Other Unacceptable Responses.																						
1972-73 P-VALUE	17.28	24.96	16.56	16.75	10.73	15.42	19.07	17.90	14.07	15.70	19.09	14.77	17.55	17.52	16.79	15.70	14.01	23.51	20.22	18.73	15.95	14.93
1972-73 SE OF P-VAL	1.15	2.91	2.36	2.01	1.91	1.53	1.55	1.35	2.05	4.04	3.29	2.56	1.74	1.63	2.73	2.43	2.61	5.83	3.45	2.56	2.94	1.67
1972-73 DELTA-P		7.68#	-0.72	-0.53	-6.55#	-1.86	1.79	0.62	-3.21	-1.58	1.81	-2.51	0.27	0.24	-0.49	-1.58	-2.47	6.23	2.94	1.45	-1.33	-2.35
1972-73 SE OF DP		2.43	2.08	1.75	1.78	1.04	1.02	0.47	2.13	3.89	3.32	2.27	1.22	1.08	2.58	2.38	2.35	5.35	3.58	2.21	2.71	1.42
RESPONSE: 39 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.43	7.45	7.92	9.20	9.01	7.66	9.17	8.72	7.15	7.19	9.83	6.75	7.06	8.66	12.91	7.45	7.03	4.22	4.80	12.81	10.73	8.96
1972-73 SE OF P-VAL	0.76	1.40	0.96	1.57	1.88	0.86	1.11	0.89	1.65	2.69	2.80	1.70	1.09	1.07	2.33	3.39	1.71	1.32	1.42	2.35	2.75	1.02
1972-73 DELTA-P		-0.98	-0.51	0.77	0.58	-0.77	0.74	0.29	-1.28	-1.24	1.40	-1.68	-1.37	0.23	4.48*	-0.98	-1.40	-4.21#	-3.63#	4.38*	2.30	0.53
1972-73 SE OF DP		1.25	1.04	1.29	1.55	0.67	0.64	0.33	1.58	2.67	2.63	1.57	0.91	0.81	2.03	3.25	1.73	1.23	1.45	2.05	2.38	1.05

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

A. Do you read science articles in magazines?

- ● Often
- ○ Sometimes
- ○ Never

B. If so, what article have you read most recently?

111

A. How often do you read science articles in magazines; often, sometimes, or never?

- ○ Often (Go to B)
- ○ Sometimes (Go to B)
- ○ Never (End the exercise)

B. What article have you read most recently?

112

NAEP #: 301011-34

72-73 Report #: RU242
69-70 Report #: U869

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: A. Appreciate facts and simple concepts, laws (principles), and conceptual schemes.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Individual for adults/Group at other ages

Age:	17IS	Adult
72-73 Package-Exercise:	01-07	08-08
69-70 Package-Exercise:	05-17	
72-73 National P-val:		
RU242A	8.03	18.06
RU242B	46.21	51.17
69-70 National P-value:		
RU242A	9.20	
RU242B	***	

Timing: (in seconds)

	Stimulus:	[illegible]
	Response:	6
RU242A	Part total:	13
	Stimulus:	7
	Response:	98
RU242B	Part total:	105
RU242	Exercise total:	118

***Acceptable/Unacceptable data is not available at this time.

Exercise 301011-3,4; RU 242

A. How often do you read science articles in magazines?

B. What article have you read most recently?

00 = no response

Acceptable

10 = Astronomy; space exploration

11 = Environment; ecology; pollution; overpopulation

12 = Geology; rocks; earth science; oceanography (ex. life forms); weather

13 = Biology; cells; microorganisms; plants; animals

14 = Human body; medicine; disease; reproduction (human); nutrition

15 = Evolution; genetics; archeology; fossils

16 = Chemistry; physics; electricity; mechanics

17 = Science fiction; new discoveries; things in the future

18 = About scientists; historical scientific events

19 = Other acceptable

- -

Unacceptable

20 = Sociology; psychology (Considered acceptable by some consultants)

21 = Economics; other math topics

22 = Technical manuals (If article described is acceptable, code under an Acc. category)

23 = Gives source but not description of article

24 = (not used)

25 = Other unacceptable

39 = I don't know.

EXERCISE: 301011-34 . RU242

Attitude toward reading science articles in magazines

Part A. Do you read science articles in magazines?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	0.09	0.25	0.00	0.00	0.08	0.12	0.06	0.00	0.87	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.76	0.00	0.00	0.27	0.00	0.00
1969-70 P-VALUE	0.09	0.38	0.00	0.00	0.00	0.18	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.03
CHANGE P-VALUE	0.00	-0.13	0.00	0.00	0.08	-0.06	0.06	-0.11	0.87	0.00	0.00	0.00	0.00	-0.19	1.45	0.00	0.76	0.00	-0.63	0.27	0.00	-0.03
1972-73 SE OF P-VAL	0.05	0.18	0.00	0.00	0.08	0.09	0.06	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.54	0.00	0.00	0.26	0.00	0.00
1969-70 SE OF P-VAL	0.06	0.25	0.00	0.00	0.00	0.12	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.03
SE OF CHANGE P-VALUE	0.08	0.31	0.00	0.00	0.08	0.15	0.06	0.07	0.49	0.00	0.00	0.00	0.00	0.13	0.80	0.00	0.54	0.00	0.46	0.28	0.00	0.03
1972-73 DELTA-P		0.16	-0.09	-0.09	-0.01	0.03	-0.03	-0.09	0.78	-0.09	-0.09	-0.09	-0.09	-0.09	1.36	-0.09	0.67	-0.09	-0.09	0.18	-0.09	-0.09
1969-70 DELTA-P		0.29	-0.09	-0.09	-0.09	0.09	-0.09	0.02*	-0.09	-0.09	-0.09	-0.09	-0.09	0.10	-0.09	-0.09	-0.09	-0.09	0.54	-0.09	-0.09	-0.06
CHANGE DELTA-P		-0.13	0.00	0.00	0.08	-0.06	0.06	-0.11*	0.87	0.00	0.00	0.00	0.00	-0.19*	1.45	0.00	0.76	0.00	-0.63	0.27	0.00	-0.03
1972-73 SE OF DP		0.13	0.05	0.05	0.08	0.05	0.05	0.05	0.44	0.05	0.05	0.05	0.05	0.05	0.75	0.05	0.51	0.05	0.05	0.25	0.05	0.05
1969-70 SE OF DP		[illegible]	0.06	0.06	0.06	0.06	0.06	0.01	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.40	0.06	0.06	0.06
SE OF CHANGE DELTA-P		[illegible]	0.08	0.08	0.10	0.08	0.08	0.05	0.44	0.08	0.08	0.08	0.08	0.09	0.75	0.08	0.51	0.08	0.40	0.26	0.08	0.08
AGE: Ad	Response did not occur at this age.																					
RESPONSE: 01* AGE: 17	TEXT: Often.																					
1972-73 P-VALUE	8.03	8.26	8.59	7.35	8.03	10.87	5.27	8.26	5.68	8.95	5.68	5.78	6.81	10.26	2.90	6.87	3.57	9.79	8.95	6.14	10.83	7.98
1969-70 P-VALUE	9.20	12.37	8.34	7.68	8.71	13.00	5.21	9.71	7.07	5.82	6.40	6.44	6.37	12.35	5.25	4.32	6.99	14.52	8.73	9.92	8.44	10.42
CHANGE P-VALUE	-1.17	-4.11#	0.25	-0.33	-0.68	-2.13	0.06	-1.45	-1.39	3.13	-0.72	-0.66	0.44	-2.09	-2.35	2.55	-3.42	-4.73	0.22	-3.78	2.39	-2.44
1972-73 SE OF P-VAL	0.70	0.99	1.18	1.65	1.60	1.19	0.84	0.83	1.30	2.67	2.43	1.96	1.29	1.14	1.66	3.20	1.06	1.49	2.78	1.65	1.88	1.11
1969-70 SE OF P-VAL	0.75	1.30	1.66	1.36	1.59	1.43	0.67	[illegible]	1.56	1.74	1.79	1.59	1.09	1.27	2.82	1.81	1.67	3.12	2.08	2.69	2.04	1.33
SE OF CHANGE P-VALUE	1.03	1.63	2.04	2.14	2.26	1.86	1.07	1.18	2.03	3.19	3.02	2.52	1.69	1.71	3.27	3.68	1.98	3.46	3.47	3.16	2.77	1.73
1972-73 DELTA-P		0.23	0.56	-0.68	0.00	2.84#	-2.76#	0.23	-2.35	0.92	-2.35	-2.75	-1.22	2.23#	-5.13#	-1.16	-4.46#	1.76	0.92	-1.89	2.80	-0.05
1969-70 DELTA-P		3.17#	-0.86	-1.52	-0.49	3.80#	-3.99#	0.51*	-2.13	-3.38	-2.80	-2.76	-2.83#	3.15#	-3.95	-4.88#	-2.21	5.32	-0.47	0.72	-0.76	1.22
CHANGE DELTA-P		-2.94	1.42	0.84	0.49	-0.96	1.23	-0.28	-0.22	4.30	0.45	0.51	1.61	-0.92	-1.18	3.72	-2.25	-3.56	1.39	-2.61	3.56	-1.27
1972-73 SE OF DP		0.97	1.16	1.35	1.30	0.75	0.80	0.29	1.37	2.66	2.30	1.87	1.21	0.76	1.70	3.04	1.14	1.44	2.57	1.57	1.78	0.81
1969-70 SE OF DP		1.21	1.49	1.11	1.32	0.83	0.85	0.23	1.51	1.72	1.86	1.50	0.89	0.89	2.75	1.71	1.73	2.93	1.90	2.60	1.87	1.14
SE OF CHANGE DELTA-P		1.55	1.89	1.75	1.85	1.12	[illegible]	0.37	2.04	3.17	2.96	2.40	1.50	1.17	3.23	3.49	2.07	3.26	3.20	3.04	2.58	1.40
RESPONSE: 01* AGE: Ad	TEXT: Often (Go to B)																					
1972-73 P-VALUE	18.06	19.88	16.24	15.88	20.15	22.81	13.61	18.92	13.07	14.23	10.60	17.34	18.02	27.27	3.54	12.67	13.15	28.36	16.71	16.96	23.41	15.96
1972-73 SE OF P-VAL	1.17	2.44	1.95	2.25	2.51	1.43	1.37	1.29	3.26	3.88	1.52	2.36	2.20	2.53	2.30	2.75	3.35	4.20	3.41	2.73	2.49	1.58
1972-73 DELTA-P		1.82	-1.82	-2.18	2.09	4.75#	-4.45#	0.86	-4.99	-3.83	-7.46#	-0.72	-0.04	9.21#	-14.52#	-5.39*	-4.91	10.30#	-1.35	-1.10	5.35*	-2.10
1972-73 SE OF DP		2.08	1.88	1.89	2.10	0.82	0.74	0.45	3.07	3.89	1.49	2.24	1.77	1.95	2.33	2.69	3.28	3.59	3.07	2.53	2.61	1.34
RESPONSE: 02 AGE: 17	TEXT: Sometimes.																					
1972-73 P-VALUE	59.55	58.86	61.64	59.28	58.95	61.04	58.10	60.29	54.18	58.48	52.17	52.92	57.03	64.83	49.66	62.84	53.45	63.54	56.59	55.30	56.55	61.92
1969-70 P-VALUE	68.89	64.04	71.84	70.96	68.78	66.96	70.93	69.08	69.17	65.34	61.31	65.64	68.13	71.47	59.75	65.24	72.42	61.76	70.80	72.14	70.78	68.12
CHANGE P-VALUE	-9.34#	-5.18	-10.20#	-11.68#	-9.83*	-5.92*	-12.83#	-8.79#	-14.99#	-6.86	-9.14	-12.72#	-11.10#	-6.64#	-10.09	-2.40	-18.97#	1.78	-14.21*	-16.84*	-14.23#	-6.20
1972-73 SE OF P-VAL	1.29	1.81	2.47	2.99	2.85	1.65	1.76	1.37	3.61	5.00	4.31	3.52	2.16	1.91	5.45	3.29	4.30	2.67	4.97	3.69	3.70	2.15
1969-70 SE OF P-VAL	1.36	2.08	3.15	2.57	2.95	2.13	1.50	1.51	2.38	4.79	4.66	3.03	2.10	1.82	10.96	5.64	3.08	3.42	3.60	5.98	3.37	2.73
SE OF CHANGE P-VALUE	1.87	2.76	4.00	3.94	4.10	2.69	2.31	2.04	4.32	6.92	6.35	4.64	3.01	2.64	12.24	6.53	5.29	4.34	6.14	7.03	5.00	3.47
1972-73 DELTA-P		-0.69	2.09	-0.27	-0.60	1.49	-1.45	0.74	-5.37	-1.07	-7.38	-6.63	-2.52	5.28#	-9.89	3.29	-6.10	3.99	-2.96	-4.25	-3.00	-2.37
1969-70 DELTA-P		-4.85*	2.95	2.07	-0.11	-1.93	2.04	0.19	0.28	-3.55	-7.58	-3.25	-0.76	2.58*	-9.14	-3.65	3.53	-7.13*	1.91	3.25	1.89	-0.77
CHANGE DELTA-P		4.16	-0.86	-2.34	-0.49	3.42*	-3.49*	0.55	-5.65	2.48	0.20	-3.38	-1.76	2.70	-0.75	6.94	-9.63	11.12#	-4.87	-7.50	-4.89	3.14
1972-73 SE OF DP		1.77	2.30	2.45	2.34	1.15	1.12	0.62	3.41	4.60	4.22	3.62	1.93	1.19	5.34	3.19	4.38	2.66	4.63	3.51	[illegible]	1.62
1969-70 SE OF DP		2.04	2.83	2.06	2.49	1.23	1.29	0.42	2.50	4.48	4.77	2.81	1.60	1.08	11.04	5.21	3.02	3.45	3.34	5.75	[illegible]	2.19
SE OF CHANGE DELTA-P		2.70	3.65	3.20	3.42	1.68	1.71	0.75	4.23	6.42	6.37	4.58	2.51	1.61	12.26	6.11	5.32	4.36	5.71	6.74	4.75	2.72

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                                NATION |            REGION              |      SEX       |         RACE           |             PARENTAL EDUCATION              |               SIZE-AND-TYPE OF COMMUNITY
                                       | NORTH  SOUTH                   |                |                 OTHER  |         SOME    GRAD    POST               |EXTREME  LOW    HIGH   MAIN  URBAN  MEDIUM SMALL
                                _______|_EAST___EAST_CENTRAL__WEST__|__MALE__FEMALE_|_WHITE__BLACK___RACE__|_NO_HS___HS______HS______HS__UNKNOWN_|_RURAL__METRO__METRO_BIG_CIT_FRINGE__CITY__PLACES

EXERCISE: 301011-34    RU242

Attitude toward reading science articles in magazines

Part A. Do you read science articles in magazines?

RESPONSE:  02     AGE: Ad        TEXT:  Sometimes  (Go to B)

     1972-73 P-VALUE             54.54    50.81  55.63  54.25  57.58    54.51  54.57    55.87  49.22  50.22    54.28  53.58  56.05  54.56  44.53    56.43  47.48  48.32  56.25  58.19  55.02  56.48
     1972-73 SE OF P-VAL          1.23     3.14   2.28   2.42   1.77     1.74   1.60     1.31   4.04   6.63     2.19   3.04   2.67   2.09   7.21     5.20   4.07   3.90   4.66   3.27   3.24   2.06
     1972-73 DELTA-P                      -3.73   1.09  -0.29   3.04    -0.03   0.03     0.93  -5.32  -4.32    -0.26  -0.96   1.51   0.02 -10.01     1.89  -7.06  -6.22   1.71   3.65   0.48   1.94
     1972-73 SE OF DP                      2.55   2.10   2.03   1.74     1.17   1.09     0.59   3.66   6.60     1.74   2.65   2.10   1.98   6.85     4.97   3.81   3.81   4.41   3.20   3.24   1.56

RESPONSE:  03     AGE: 17        TEXT:  Never.

     1972-73 P-VALUE             32.33    32.53  29.73  33.38  32.94    27.96  36.57    31.45  39.27  32.57    42.16  41.31  36.16  24.91  45.93    30.29  42.22  26.67  34.47  38.24  32.62  30.09
     1969-70 P-VALUE             21.82    23.21  19.82  21.36  22.51    19.87  23.87    21.10  23.77  28.85    32.30  27.92  25.49  15.99  35.01    30.45  20.60  23.72  19.84  17.94  20.78  21.44
     CHANGE P-VALUE              10.51#    9.42#  9.95# 12.02# 10.43*    8.09# 12.70#   10.35# 15.50#  3.72     9.86  13.39# 10.67#  8.92# 10.98    -0.16  21.62#  2.95  14.63* 20.34# 11.84#  8.65#

     1972-73 SE OF P-VAL          1.55     1.60   2.54   3.92   3.61     2.02   1.90     1.65   3.43   3.72     3.86   1.88   2.39   2.21   4.49     5.36   4.77   2.66   5.61   3.91   2.57   2.48
     1969-70 SE OF P-VAL          1.26     2.11   2.36   1.81   3.29     1.91   1.37     1.37   2.24   4.70     4.58   3.03   2.06   1.39  10.51     6.90   2.61   2.70   3.17   4.02   2.83   1.92
     SE OF CHANGE P-VALUE         2.00     2.65   3.47   4.32   4.88     2.78   2.34     2.14   3.85   5.99     5.99   4.96   3.16   2.61  11.43     8.74   5.44   3.33   6.44   5.61   3.82   3.14

     1972-73 DELTA-P                       0.30  -2.56   1.05   0.61    -4.37#  4.24#   -0.88   6.94*  0.24     9.83#  8.98*  3.83  -7.42# 13.66#   -2.04   9.89* -5.66   2.14   5.93   0.29  -2.24
     1969-70 DELTA-P                       1.39  -2.00  -0.46   0.69    -1.95   2.05    -0.72   1.95   7.03    10.48*  6.10*  3.67* -5.83# 13.19     8.63  -1.22   1.90  -1.98  -3.88  -1.04  -0.38
     CHANGE DELTA-P                       -1.09  -0.56   1.51  -0.08    -2.42   2.19    -0.16   4.99  -6.79    -0.65   2.88   0.16  -1.59   0.47   -10.67  11.11* -7.56   4.12   9.83   1.33  -1.86

     1972-73 SE OF DP                      1.89   2.50   3.14   2.92     1.26   1.11     0.46   2.96   3.29     3.69   3.86   2.09   1.30   4.67     4.89   4.77   2.98   5.20   3.82   2.45   1.61
     1969-70 SE OF DP                      1.38   2.16   1.68   2.57     1.07   1.12     0.38   2.26   4.48     4.59   2.79   1.57   1.00  10.47     6.25   2.64   2.70   2.35   3.97   2.76   1.71
     SE OF CHANGE DELTA-P                  2.74   3.30   3.56   3.89     1.65   1.72     0.60   3.72   5.54     5.89   4.75   2.61   1.64  11.86     7.94   5.45   4.02   5.98   5.51   3.69   2.35

RESPONSE:  03     AGE: Ad        TEXT:  Never  (End the exercise)

     1972-73 P-VALUE             27.40    29.10  28.13  24.87  22.27    22.67  31.82    25.60  37.70  35.55    35.11  29.07  25.93  18.17  51.92    30.89  39.36  23.32  27.04  24.84  21.57  27.56
     1972-73 SE OF P-VAL          1.33     2.85   1.88   2.70   2.78     1.34   1.93     1.43   4.19   6.38     2.20   2.66   2.06   2.16   7.73     5.71   4.11   4.45   5.95   2.99   3.14   2.39
     1972-73 DELTA-P                       1.90   0.73   2.47  -5.13*   -4.73#  4.42#   -1.80# 10.30#  8.15     7.71#  1.67  -1.47  -9.23# 24.52#    3.49  11.96# -4.08  -2.36  -2.56  -5.83   0.16
     1972-73 SE OF DP                      2.42   1.95   2.21   2.35     1.06   0.97     0.60   4.07   5.15     1.66   2.40   1.60   1.49   7.32     5.49   4.30   4.18   5.69   2.98   3.01   1.80

EXERCISE: 301011-34    RU242

Part B. If so what article have you read most recently?  (For adults, not asked unless Part A response was "often" or "sometimes".)

RESPONSE:  00     AGE: 17        TEXT:  No Response.

     1972-73 P-VALUE             37.73    40.19  35.55  38.01  36.51    34.05  41.26    36.79  44.18  38.52    53.25  44.33  43.31  28.33  55.79    33.86  45.72  31.96  42.39  44.23  37.70  35.41
     1972-73 SE OF P-VAL          1.60     2.33   3.42   3.15   3.59     2.09   2.05     1.62   3.74   4.73     4.52   2.63   2.35   2.13   5.06     4.78   4.97   2.97   6.87   4.47   1.57   2.52
     1972-73 DELTA-P                       2.48  -2.18   0.30  -1.20    -3.66#  3.55#   -0.93   6.47   1.83    15.54#  6.62   5.60# -9.38# 18.08#   -3.85   8.01  -5.75   4.67   6.52  -0.01  -2.30
     1972-73 SE OF DP                      2.25   3.09   2.83   2.91     1.38   1.39     0.60   3.33   4.39     4.19   3.56   2.36   1.85   4.77     4.48   4.71   3.16   6.38   4.38   2.58   1.74

                  AGE: Ad

     1972-73 P-VALUE              0.27     0.00   0.69   0.24   0.21     0.16   0.37     0.27   0.38   0.00     0.07   0.37   0.38   0.10   2.25     0.70   0.41   0.00   0.00   0.46   0.24   0.25
     1972-73 SE OF P-VAL          0.11     0.00   0.41   0.17   0.20     0.11   0.18     0.12   0.38   0.00     0.06   0.28   0.23   0.10   2.25     0.77   0.41   0.00   0.00   0.45   0.22   0.18
     1972-73 DELTA-P                      -0.27*  0.42  -0.03  -0.06    -0.11   0.10     0.00   0.11  -0.27*   -0.20*  0.10   0.11  -0.17   1.98     0.43   0.14  -0.27* -0.27*  0.19  -0.03  -0.02
     1972-73 SE OF DP                      0.11   0.33   0.16   0.19     0.10   0.09     0.05   0.36   0.11     0.10   0.24   0.17   0.13   2.20     0.72   0.39   0.11   0.11   0.42   0.23   0.14

RESPONSE:  01*    AGE: 17        TEXT:  All Acceptable Responses.

     1972-73 P-VALUE             46.21    44.81  46.20  44.48  48.93    49.24  43.27    47.71  37.84  39.82    35.39  41.49  41.58  53.68  30.17    48.95  37.33  57.46  42.94  38.19  44.04  47.93
     1972-73 SE OF P-VAL          1.53     2.33   3.01   2.93   3.57     2.28   1.73     1.69   3.55   4.29     4.06   3.19   2.25   2.17   4.27     5.47   4.15   2.98   5.53   3.75   2.75   2.45
     1972-73 DELTA-P                      -1.40  -0.01  -1.33   2.72     3.03* -2.94*    1.50# -8.37# -6.39   -10.82# -4.72  -4.63*  7.47#-16.04#    2.74  -8.88* 11.25# -3.27  -8.02* -2.17   1.72
     1972-73 SE OF DP                      2.18   2.78   2.55   2.84     1.38   1.38     0.58   3.21   4.56     3.86   3.15   2.06   1.41   4.09     5.16   3.99   2.94   5.33   3.52   2.42   1.63

                  AGE: Ad

     1972-73 P-VALUE             53.12    51.03  48.34  47.57  57.56    53.95  48.57    53.38  33.75  50.68    42.67  47.59  53.01  62.56  19.28    44.73  46.00  57.17  50.48  52.16  56.49  59.84
     1972-73 SE OF P-VAL          1.47     2.70   2.54   3.07   3.13     1.73   1.81     1.63   3.62   6.97     2.48   2.85   2.66   2.38   4.32     6.97   5.06   4.19   5.32   4.20   2.88   2.16
     1972-73 DELTA-P                      -0.14  -2.83  -3.60   6.39*    2.79# -2.60#    2.21#-17.42# -0.89    -8.50# -3.58   1.84  11.39#-31.89#   -6.44  -4.37   6.00  -0.69   1.01   5.32  -1.31
     1972-73 SE OF DP                      2.41   2.44   2.50   2.61     1.03   0.95     0.65   3.66   6.73     1.99   2.74   1.78   2.12   4.38     6.58   5.15   3.79   4.82   3.85   2.86   1.73




*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 301011-34 RU242

Attitude toward reading science articles in magazines

Part B. If so what article have you read most recently? (For adults, not asked unless Part A response was "often" or "sometimes".)

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 10 AGE: 17 TEXT: Astronomy and space exploration.																						
1972-73 P-VALUE	6.45	7.37	6.89	5.22	6.36	7.57	5.37	6.46	6.45	6.34	5.28	6.92	6.06	7.09	1.91	6.39	9.05	7.23	6.19	6.49	7.92	5.52
1972-73 SE OF P-VAL	0.58	1.47	1.21	1.09	0.77	0.95	0.72	0.65	1.72	1.78	1.51	1.90	1.02	0.89	1.64	1.92	1.98	1.31	1.98	2.13	1.76	0.80
1972-73 DELTA-P		2.32	0.44	-1.23	-0.09	1.12	-1.08	0.01	0.00	-0.11	-1.17	0.47	-0.39	0.64	-2.56	-0.06	1.60	0.78	-0.26	0.04	1.47	-0.93
1972-73 SE OF DP		1.15	1.11	0.95	0.78	0.62	0.59	0.23	1.65	1.75	1.49	1.79	0.84	0.61	1.68	1.95	1.87	1.20	1.40	1.87	1.62	0.77
AGE: AD																						
1972-73 P-VALUE	9.62	10.10	11.99	8.11	8.78	12.65	6.79	9.19	11.18	11.35	11.68	9.80	9.85	7.85	2.68	12.25	9.79	7.99	10.96	8.13	8.01	10.21
1972-73 SE OF P-VAL	0.74	1.28	1.48	1.32	1.71	1.10	0.96	0.83	2.62	3.33	1.31	1.97	1.56	1.20	1.95	2.15	2.35	2.49	2.73	1.63	1.76	1.21
1972-73 DELTA-P		0.45	2.37	-1.51	-0.84	3.03#	-2.83#	-0.43	1.56	3.73	2.06	0.14	0.23	-1.77	-6.94#	2.63	0.17	-1.63	1.34	-1.49	-1.61	0.59
1972-73 SE OF DP		1.16	1.13	1.14	1.40	0.74	0.70	0.38	2.53	3.21	1.18	1.73	1.24	1.15	2.02	2.14	2.39	2.17	2.59	1.56	1.52	0.87
RESPONSE: 11 AGE: 17 TEXT: Environment, ecology, pollution, overpopulation.																						
1972-73 P-VALUE	4.82	4.63	4.86	5.37	4.45	5.14	4.51	5.10	4.61	1.31	[illegible]	2.94	4.22	5.77	2.47	6.38	0.55	5.89	5.23	3.25	2.50	6.16
1972-73 SE OF P-VAL	0.61	1.27	1.17	1.36	0.97	0.76	0.79	0.64	1.55	1.30	[illegible]	1.29	1.02	0.74	2.55	2.55	0.30	1.62	1.57	1.01	0.81	1.26
1972-73 DELTA-P		-0.19	0.04	0.55	-0.37	0.32	-0.31	0.29	-0.21	-3.51#	[illegible]	-1.88	-0.60	0.95	-2.35	1.56	-4.27#	1.07	0.41	-1.57	-2.32*	1.34
1972-73 SE OF DP		1.04	1.09	1.13	0.90	0.50	0.48	0.21	1.43	1.45	2.02	1.13	0.75	0.51	2.48	2.57	0.65	1.47	1.55	1.00	1.04	0.87
AGE: AD																						
1972-73 P-VALUE	5.95	5.01	6.21	6.99	5.65	6.72	5.23	6.48	4.43	0.50	4.65	6.14	5.50	8.11	0.89	5.07	1.91	6.58	7.47	5.95	6.03	6.48
1972-73 SE OF P-VAL	0.55	1.09	1.15	1.37	0.69	0.82	0.68	0.66	1.45	0.47	0.85	1.39	1.18	1.16	0.93	1.64	0.90	1.96	2.16	1.35	1.53	0.98
1972-73 DELTA-P		-0.94	0.26	0.94	-0.30	0.77	-0.72	0.53#	-1.52	-5.45#	-1.10	0.19	-0.85	2.16*	-5.06#	-0.88	-4.04#	0.63	2.02	0.00	0.08	0.53
1972-73 SE OF DP		0.94	1.03	1.08	0.73	0.51	[illegible]	0.20	1.45	[illegible]	0.79	1.26	0.93	1.05	0.98	1.66	0.98	1.83	2.10	1.33	1.51	0.70
RESPONSE: 12 AGE: 17 TEXT: Geology, rocks, earth science, oceanography (ex. life forms), weather.																						
1972-73 P-VALUE	2.62	1.38	1.35	2.77	1.80	3.04	2.22	2.81	0.77	3.21	1.97	4.67	2.74	2.18	3.07	1.36	1.71	3.42	3.18	1.75	1.95	2.30
1972-73 SE OF P-VAL	0.39	0.86	0.38	0.66	0.76	0.57	0.53	0.46	0.33	1.58	0.81	2.47	0.69	0.48	1.57	0.61	0.85	1.24	1.03	0.89	1.53	0.58
1972-73 DELTA-P		0.76	-1.47#	0.15	0.18	0.41	-0.40	0.19	-1.85#	0.59	-0.65	1.85	0.12	-0.44	0.45	-1.26	-0.91	1.30	0.56	-0.87	1.33	-0.32
1972-73 SE OF DP		0.70	0.48	0.72	0.65	0.39	0.38	0.14	[illegible]	1.55	0.87	2.27	0.60	0.42	1.54	0.70	0.82	1.12	1.00	0.82	1.42	0.45
AGE: AD																						
1972-73 P-VALUE	4.11	1.91	3.42	2.90	6.19	4.39	3.85	4.39	1.97	3.85	3.12	2.75	3.99	6.11	3.20	5.16	5.71	4.85	3.17	2.74	3.87	3.92
1972-73 SE OF P-VAL	0.49	1.53	1.05	0.65	1.11	0.73	0.64	0.57	0.93	2.12	0.76	1.02	0.79	1.27	1.93	2.00	1.89	1.60	1.54	1.32	1.93	0.84
1972-73 DELTA-P		-0.20	-0.69	-1.21	2.08*	0.28	-0.28	0.28	-2.14*	-0.26	-0.99	-1.36	-0.12	2.00	-0.91	1.05	1.60	0.74	-0.94	-1.37	-0.24	-0.19
1972-73 SE OF DP		0.88	0.93	0.65	0.91	0.50	0.46	0.20	1.02	2.06	[illegible]	0.81	0.71	1.07	1.99	1.88	1.81	1.56	1.60	1.36	1.77	[illegible]
RESPONSE: 13 AGE: 17 TEXT: Biology, cells, microorganisms, plants, animals.																						
1972-73 P-VALUE	6.59	6.09	6.61	6.19	7.80	7.04	6.33	6.83	5.24	7.04	5.44	5.79	7.62	7.03	2.14	10.81	8.42	5.12	6.12	5.90	4.92	7.22
1972-73 SE OF P-VAL	0.74	1.54	1.46	1.20	1.66	1.03	0.90	0.84	1.57	3.36	2.08	1.71	1.19	1.02	1.17	4.27	1.78	1.49	1.63	2.00	1.70	1.16
1972-73 DELTA-P		-0.59	-0.07	-0.49	1.12	0.36	-0.35	0.15	-1.44	0.36	-1.24	-0.89	0.94	0.35	-4.54#	4.13	1.74	-1.56	-0.56	-0.78	[illegible]	0.54
1972-73 SE OF DP		1.28	1.35	1.12	1.36	0.63	0.62	0.27	1.62	3.28	2.08	1.59	0.91	0.56	1.26	4.11	1.65	1.42	1.53	1.76	[illegible]	0.89
AGE: AD																						
1972-73 P-VALUE	4.02	3.69	4.87	3.18	4.53	3.96	4.08	4.09	1.67	7.67	3.68	2.36	3.39	6.31	1.29	3.60	4.71	3.80	2.24	1.91	5.98	3.86
1972-73 SE OF P-VAL	0.53	0.98	1.27	1.13	0.74	0.89	0.66	0.58	0.96	2.97	0.94	0.82	0.70	1.24	1.31	1.45	1.57	1.49	1.34	1.35	2.18	0.83
1972-73 DELTA-P		-0.31	0.85	-0.84	0.51	-0.06	0.06	0.07	-2.35#	3.65	-0.34	-1.66	-0.63	2.29*	-2.73*	-0.42	0.69	-0.22	-1.78	-0.11	[illegible]	-0.16
1972-73 SE OF DP		0.87	1.09	0.92	0.76	0.59	0.55	0.21	0.90	[illegible]	0.76	0.81	0.64	0.94	1.34	1.42	1.45	1.38	1.23	1.32	2.00	0.70
RESPONSE: 14 AGE: 17 TEXT: Human body, medicine, disease, reproduction (human), nutrition.																						
1972-73 P-VALUE	14.36	14.20	16.23	14.03	13.44	9.46	19.11	14.41	13.46	15.18	11.61	14.19	9.60	17.94	13.07	11.20	14.36	23.32	15.64	11.05	14.11	12.86
1972-73 SE OF P-VAL	1.09	1.76	2.43	2.41	2.13	1.21	1.45	1.21	1.91	3.88	2.69	3.12	1.39	1.55	2.58	4.03	4.17	3.13	3.32	2.76	2.67	1.44
1972-73 DELTA-P		-0.16	1.87	-0.33	-0.92	-4.90#	4.75#	0.05	-0.90	0.82	-2.75	-0.17	-4.76#	3.58#	-1.29	-3.16	0.00	8.96#	1.28	-3.31	-0.25	-1.50
1972-73 SE OF DP		1.61	2.16	2.00	1.81	0.82	0.83	0.37	1.80	3.78	2.87	2.93	1.02	0.84	2.54	3.91	3.96	2.87	3.76	2.42	2.51	1.24
AGE: AD																						
1972-73 P-VALUE	16.86	18.51	13.05	15.16	20.27	10.41	22.89	17.73	11.11	14.42	10.23	16.00	19.21	22.03	8.46	12.68	15.62	18.53	16.75	18.93	19.82	16.01
1972-73 SE OF P-VAL	1.10	2.26	1.95	2.42	2.04	1.28	1.66	1.24	2.28	5.50	1.69	2.07	2.07	2.37	3.15	3.70	3.93	2.74	4.42	2.89	2.48	1.57
1972-73 DELTA-P		1.65	-3.81*	-1.70	3.41	-6.45#	6.03#	0.87	-5.75#	-2.44	-6.63#	-0.86	2.35	5.17#	-8.40#	-4.18	-1.24	1.67	-0.11	2.07	2.96	-0.85
1972-73 SE OF DP		1.94	1.86	1.95	1.79	1.03	1.00	0.46	2.19	5.44	1.53	2.00	1.48	2.00	3.19	3.62	3.71	2.67	4.04	2.66	2.21	1.18

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 301011-34 BU242

Attitude toward reading science articles in magazines

Part B. If so what article have you read most recently? (For adults, not asked unless Part A response was "often" or "sometimes".)

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 15 AGE: 17	TEXT: Evolution, genetics, archeology, fossils.																					
1972-73 P-VALUE	1.82	1.85	2.21	2.53	0.81	1.64	1.99	1.98	1.48	0.18	0.85	2.05	2.11	1.79	1.29	2.79	0.67	1.25	0.29	1.74	1.45	2.52
1972-73 SE OF P-VAL	0.28	0.56	0.65	0.62	0.61	0.45	0.42	0.33	0.72	0.18	0.63	0.98	0.76	0.40	1.09	2.28	0.56	0.58	0.28	0.87	0.85	0.55
1972-73 DELTA-P		0.03	0.39	0.71	-1.01#	-0.18	0.17	0.16	-0.34	-1.64#	-0.97	0.23	0.29	-0.03	-0.53	0.97	-0.95	-0.57	-1.53#	-0.08	-0.37	0.70
1972-73 SE OF DP		0.47	0.57	0.51	0.40	0.33	0.32	0.10	0.71	0.33	0.63	0.92	0.63	0.35	1.11	2.22	0.58	0.58	0.38	0.80	0.82	0.43
AGE: Ad																						
1972-73 P-VALUE	2.29	1.95	2.56	0.70	4.11	1.80	2.75	2.46	0.47	3.27	2.25	3.19	1.60	2.80	0.00	0.00	3.72	5.34	0.65	1.36	1.23	2.30
1972-73 SE OF P-VAL	0.36	0.51	0.94	0.51	0.98	0.55	0.49	0.40	0.45	3.26	0.96	1.02	0.64	0.77	0.00	0.00	2.03	1.63	0.67	0.64	0.84	0.56
1972-73 DELTA-P		-0.34	0.27	-1.59#	1.82*	-0.49	0.46	0.17	-1.82#	0.98	-0.04	0.90	-0.69	0.51	-2.29#	-2.29#	1.43	3.05*	-1.64*	-0.93	-1.06	0.01
1972-73 SE OF DP		0.51	0.80	0.52	0.78	0.38	0.36	0.19	0.62	3.12	0.80	0.95	0.59	0.71	0.36	0.36	1.89	1.50	0.71	0.74	0.82	0.45
RESPONSE: 16 AGE: 17	TEXT: Chemistry, physics, electricity, mechanics.																					
1972-73 P-VALUE	6.50	4.79	4.29	5.82	10.57	11.05	2.09	7.03	3.60	4.06	2.18	3.23	4.72	9.52	1.77	7.78	1.49	6.78	3.86	5.42	7.66	7.72
1972-73 SE OF P-VAL	0.87	1.47	1.10	0.99	2.31	1.42	0.53	1.01	1.39	2.10	1.16	1.61	0.86	1.46	0.77	1.47	0.90	1.80	1.64	1.67	0.92	1.85
1972-73 DELTA-P		-1.71	-2.21	-0.68	4.07*	4.55#	-4.41#	0.53*	-2.90	-2.44	-4.32#	-3.27*	-1.78	3.02#	-4.73#	1.28	-5.01#	0.28	-2.64	-1.08	1.16	1.22
1972-73 SE OF DP		1.30	1.20	1.11	1.72	0.69	0.77	0.25	1.56	2.15	1.19	1.46	0.97	0.80	1.08	1.59	1.13	1.75	1.71	1.68	1.19	1.15
AGE: Ad																						
1972-73 P-VALUE	5.97	5.96	4.26	7.74	5.52	11.24	1.05	6.67	0.80	5.18	5.03	4.92	7.60	6.10	1.24	2.42	3.21	6.31	6.35	7.35	9.06	5.90
1972-73 SE OF P-VAL	0.58	1.12	0.84	1.52	0.78	1.18	0.33	0.70	0.57	2.27	0.96	1.29	1.28	1.14	1.23	1.30	1.31	1.85	2.05	2.18	1.62	0.82
1972-73 DELTA-P		-0.01	-1.71*	1.77	-0.45	5.27#	-4.92#	0.70#	-5.17#	-0.79	-0.94	-1.05	1.63	0.13	-4.73#	-3.55#	-2.76*	0.34	0.38	1.38	3.09*	-0.07
1972-73 SE OF DP		0.98	0.85	1.17	0.79	0.66	0.61	0.21	0.82	2.27	0.88	1.19	0.94	1.08	1.30	1.28	1.31	1.71	1.89	2.00	1.52	0.70
RESPONSE: 17 AGE: 17	TEXT: Science fiction, new discoveries, things in the future.																					
1972-73 P-VALUE	2.19	2.12	2.69	2.03	2.03	3.17	1.24	2.30	1.27	2.21	2.25	1.13	3.80	1.40	2.07	1.86	1.16	3.34	0.92	1.51	1.15	2.89
1972-73 SE OF P-VAL	0.35	0.61	1.07	0.63	0.58	0.60	0.38	0.39	0.65	1.63	1.46	0.62	0.89	0.42	1.14	1.20	0.76	1.01	0.88	0.83	0.53	0.73
1972-73 DELTA-P		-0.07	0.50	-0.16	-0.16	0.98#	-0.95*	0.11	-0.92	0.02	0.06	-1.06	1.61*	-0.79*	-0.12	-0.33	-1.03	1.15	-1.27	-0.68	-1.04	0.70
1972-73 SE OF DP		0.54	0.90	0.57	0.53	0.36	0.35	0.14	0.65	1.58	1.46	0.62	0.68	0.39	1.05	1.19	0.79	0.96	0.88	0.82	0.58	0.50
AGE: Ad																						
1972-73 P-VALUE	0.72	0.63	0.65	0.61	0.98	0.76	0.69	0.69	1.33	0.00	1.07	0.59	0.69	0.55	0.00	0.00	1.19	0.39	0.51	2.52	1.21	0.22
1972-73 SE OF P-VAL	0.21	0.48	0.40	0.43	0.40	0.27	0.30	0.22	0.77	0.00	0.49	0.35	0.34	0.33	0.00	0.00	0.59	0.39	0.51	1.23	0.67	0.17
1972-73 DELTA-P		-0.09	-0.07	-0.11	0.26	0.04	-0.03	-0.03	0.61	-0.72#	0.35	-0.13	-0.03	-0.17	-0.72#	-0.72#	0.47	-0.33	-0.21	1.80	0.49	-0.50*
1972-73 SE OF DP		0.40	0.37	0.36	0.35	0.19	0.18	0.08	0.69	0.21	0.41	0.33	0.27	0.25	0.21	0.21	0.53	0.39	0.44	1.10	0.63	0.23
RESPONSE: 18 AGE: 17	TEXT: About scientists, historical scientific events.																					
1972-73 P-VALUE	0.22	0.22	0.16	0.42	0.00	0.34	0.10	0.14	0.96	0.00	0.00	0.00	0.17	0.36	0.00	0.36	0.00	0.27	0.87	0.19	0.00	0.15
1972-73 SE OF P-VAL	0.10	0.16	0.19	0.33	0.00	0.19	0.07	0.07	0.77	0.00	0.00	0.00	0.12	0.20	0.00	0.36	0.00	0.27	0.81	0.18	0.00	0.11
1972-73 DELTA-P		0.00	0.04	0.20	-0.22*	0.12	-0.12	-0.08	0.74	-0.22*	-0.22*	-0.22*	-0.05	0.14	-0.22*	0.14	-0.22*	0.05	0.65	-0.03	-0.22*	-0.07
1972-73 SE OF DP		0.15	0.18	0.25	0.10	0.10	0.10	0.08	0.69	0.10	0.10	0.10	0.13	0.11	0.10	0.35	0.10	0.25	0.73	0.18	0.10	0.11
AGE: Ad																						
1972-73 P-VALUE	0.34	0.90	0.00	0.28	0.34	0.29	0.48	0.34	0.26	1.44	0.30	0.00	0.28	0.87	0.00	0.00	0.28	1.00	0.78	0.00	0.70	0.23
1972-73 SE OF P-VAL	0.16	0.45	0.00	0.28	0.33	0.21	0.25	0.17	0.26	1.43	0.30	0.00	0.21	0.50	0.00	0.00	0.27	0.70	0.77	0.00	0.70	0.22
1972-73 DELTA-P		0.51	-0.39*	-0.11	-0.05	-0.10	0.09	-0.05	-0.13	1.05	-0.09	-0.39*	-0.11	0.48	-0.39*	-0.39*	-0.11	0.61	0.39	-0.39*	0.31	-0.16
1972-73 SE OF DP		0.36	0.16	0.24	0.28	0.17	0.16	0.09	0.31	1.36	0.26	0.16	0.22	0.39	0.16	0.16	0.32	0.63	0.73	0.16	0.63	0.19
RESPONSE: 19 AGE: 17	TEXT: Other Acceptable Responses.																					
1972-73 P-VALUE	0.55	0.15	1.02	0.50	0.65	0.80	0.31	0.64	0.00	0.29	0.00	0.78	0.55	0.60	0.39	0.00	0.71	0.35	0.63	0.87	0.38	0.58
1972-73 SE OF P-VAL	0.19	0.11	0.56	0.28	0.46	0.33	0.16	0.22	0.00	0.29	0.00	0.56	0.32	0.29	0.37	0.00	0.70	0.34	0.37	0.82	0.38	0.29
1972-73 DELTA-P		-0.40*	0.47	-0.05	0.10	0.25	-0.24	0.09*	-0.55#	-0.26	-0.55#	0.23	0.00	0.05	-0.16	-0.55#	0.16	-0.20	0.08	0.32	-0.17	0.03
1972-73 SE OF DP		0.20	0.47	0.27	0.37	0.19	0.18	0.04	0.19	0.33	0.19	0.53	0.27	0.18	0.36	0.19	0.67	0.34	0.38	0.73	0.37	0.23
AGE: Ad																						
1972-73 P-VALUE	1.24	0.37	1.33	2.00	1.20	1.74	0.78	1.34	0.53	0.99	0.67	1.84	0.89	1.82	1.51	3.55	0.66	2.38	1.10	1.29	0.57	0.73
1972-73 SE OF P-VAL	0.38	0.29	0.91	0.99	0.61	0.62	0.37	0.44	0.53	0.94	0.39	1.11	0.44	0.97	1.52	1.72	0.64	1.76	1.07	0.70	0.63	0.31
1972-73 DELTA-P		-0.87*	0.09	0.76	-0.04	0.50	-0.46	0.10	-0.71	-0.25	-0.57	0.60	-0.35	0.58	0.27	2.31	-0.58	1.14	-0.14	0.05	-0.67	-0.51
1972-73 SE OF DP		0.43	0.78	0.77	0.57	0.35	0.33	0.10	0.59	0.99	0.46	0.89	0.53	0.73	1.38	1.57	0.68	1.54	1.19	0.60	0.58	0.32

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 301011-34 RU242

Attitude toward reading science articles in magazines

Part B. If so what article have you read most recently? (For adults, not asked unless Part A response was "often" or "sometimes".)

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: 17	TEXT: All Unacceptable Responses.																					
1972-73 P-VALUE	8.91	7.87	8.39	10.84	8.50	9.58	8.26	7.99	12.90	14.86	3.93	10.95	8.33	10.12	4.19	8.09	8.76	4.29	9.11	11.52	9.19	9.51
1972-73 SE OF P-VAL	0.60	0.86	1.10	1.32	1.40	1.08	0.88	0.55	2.04	4.36	1.65	2.68	1.16	0.98	1.70	1.82	1.71	0.99	1.86	2.46	1.03	1.28
1972-73 DELTA-P		-1.04	-0.52	1.93	-0.41	0.67	-0.65	-0.92#	3.99*	5.95	-4.98#	2.04	-0.58	1.21	-4.72#	-0.82	-0.15	-4.62#	0.20	2.61	0.28	0.60
1972-73 SE OF DP		0.84	1.04	1.10	1.12	0.80	0.77	0.34	1.96	4.06	1.68	2.50	1.08	0.71	1.77	1.84	1.59	1.01	1.76	2.43	1.12	0.96
AGE: Ad																						
1972-73 P-VALUE	9.73	9.70	9.09	9.28	10.78	10.55	8.96	10.13	9.52	3.75	6.25	12.47	11.48	9.95	5.70	11.81	6.84	11.24	4.86	12.71	9.46	9.78
1972-73 SE OF P-VAL	0.88	1.92	1.74	1.33	2.00	1.16	1.02	0.98	2.36	1.70	1.01	2.17	1.50	1.49	3.39	2.35	1.49	2.18	2.30	3.08	2.74	1.62
1972-73 DELTA-P		-0.03	-0.64	-0.45	1.05	0.82	-0.77	0.40	-0.21	-5.98#	-3.48#	2.74	1.75	0.22	-4.03	2.08	-2.89	1.51	-4.87*	2.98	-0.27	0.05
1972-73 SE OF DP		1.61	1.58	1.25	1.65	0.66	0.62	0.31	2.25	1.85	1.09	1.79	1.13	1.19	3.01	2.25	1.47	2.10	2.38	2.82	2.66	1.15
RESPONSE: 20 AGE: 17	TEXT: Sociology and psychology.																					
1972-73 P-VALUE	1.85	1.92	1.68	1.86	1.89	1.39	2.30	1.80	1.41	3.29	0.41	1.86	2.11	2.00	0.88	1.41	1.10	1.30	1.28	2.50	1.15	2.34
1972-73 SE OF P-VAL	0.42	0.69	0.42	0.74	1.15	0.64	0.55	0.37	0.69	2.71	0.30	0.69	0.61	0.71	0.89	0.57	0.73	0.63	0.70	1.18	0.73	0.82
1972-73 DELTA-P		0.07	-0.17	0.01	0.04	-0.46	0.45	-0.05	-0.44	1.44	-1.44#	0.01	0.26	0.15	-0.97	-0.44	-0.75	-0.55	-0.57	0.65	-0.70	0.49
1972-73 SE OF DP		0.62	0.53	0.66	0.88	0.44	0.41	0.16	0.70	2.43	0.49	0.82	0.50	0.38	0.94	0.69	0.75	0.74	0.78	1.10	0.72	0.51
AGE: Ad																						
1972-73 P-VALUE	0.73	1.45	0.34	0.20	0.93	0.92	0.56	0.87	0.00	0.00	0.21	0.99	0.86	0.76	2.70	0.58	0.00	0.71	1.66	1.04	0.51	0.72
1972-73 SE OF P-VAL	0.19	0.56	0.24	0.14	0.39	0.31	0.19	0.22	0.00	0.00	0.15	0.50	0.43	0.37	2.73	0.57	0.00	0.51	1.03	0.81	0.34	0.28
1972-73 DELTA-P		0.72	-0.39	-0.53#	0.20	0.19	-0.17	0.14#	-0.73#	-0.73#	-0.52*	0.26	0.13	0.03	1.97	-0.15	-0.73#	-0.02	0.93	0.31	-0.22	-0.01
1972-73 SE OF DP		0.44	0.26	0.21	0.33	0.18	0.17	0.04	0.19	0.19	0.21	0.49	0.33	0.32	2.68	0.56	0.19	0.45	0.95	0.76	0.35	0.24
RESPONSE: 21 AGE: 17	TEXT: Economics and other math topics.																					
1972-73 P-VALUE	0.11	0.16	0.00	0.00	0.24	0.13	0.09	0.13	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.11
1972-73 SE OF P-VAL	0.08	0.16	0.00	0.00	0.23	0.13	0.08	0.09	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.11
1972-73 DELTA-P		0.05	-0.11	-0.11	0.13	0.02	-0.02	0.02*	-0.11	-0.11	-0.11	-0.11	-0.11	0.12	-0.11	-0.11	-0.11	-0.11	-0.11	0.36	-0.11	0.00
1972-73 SE OF DP		0.13	0.08	0.08	0.18	0.08	0.08	0.01	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.42	0.08	0.09
AGE: Ad																						
1972-73 P-VALUE	0.48	0.46	0.43	0.73	0.26	0.89	0.10	0.57	0.00	0.00	0.22	0.68	0.18	1.01	0.00	0.00	0.63	0.58	0.00	0.00	1.44	0.48
1972-73 SE OF P-VAL	0.16	0.32	0.29	0.42	0.20	0.32	0.09	0.19	0.00	0.00	0.21	0.48	0.18	0.46	0.00	0.00	0.60	0.59	0.00	0.00	0.65	0.28
1972-73 DELTA-P		-0.02	-0.05	0.25	-0.22	0.41*	-0.38*	0.09#	-0.48#	-0.48#	-0.26	0.20	-0.30	0.53	-0.48#	-0.48#	0.15	0.10	-0.48#	-0.48#	0.96	0.00
1972-73 SE OF DP		0.28	0.28	0.32	0.21	0.18	0.16	0.03	0.16	0.16	0.22	0.43	0.20	0.35	0.16	0.16	0.56	0.53	0.16	0.16	0.59	0.21
RESPONSE: 22 AGE: 17	TEXT: Technical manuals (unless article described is acceptable).																					
	Response did not occur at this age.																					
AGE: Ad																						
1972-73 P-VALUE	0.11	0.00	0.19	0.00	0.27	0.23	0.00	0.13	0.00	0.00	0.26	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.18
1972-73 SE OF P-VAL	0.08	0.00	0.19	0.00	0.26	0.16	0.00	0.09	0.00	0.00	0.26	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.18
1972-73 DELTA-P		-0.11	0.08	-0.11	0.16	0.12	-0.11	0.02*	-0.11	-0.11	0.15	-0.11	0.03	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	0.26	0.07
1972-73 SE OF DP		0.08	0.16	0.08	0.20	0.09	0.08	0.01	0.08	0.08	0.20	0.08	0.12	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.32	0.12
RESPONSE: 23 AGE: 17	TEXT: Gives source but not description of article.																					
1972-73 P-VALUE	2.48	2.37	2.39	3.04	2.12	3.18	1.80	2.14	3.09	6.20	1.01	2.85	1.90	3.24	0.39	1.19	1.45	1.23	3.78	3.77	2.07	2.63
1972-73 SE OF P-VAL	0.38	0.70	0.63	0.82	0.77	0.61	0.43	0.37	1.13	2.25	0.74	1.14	0.47	0.64	0.29	0.66	1.44	0.61	1.25	1.13	0.94	0.59
1972-73 DELTA-P		-0.11	-0.09	0.56	-0.36	0.70	-0.68	-0.34	0.61	3.72	-1.47	0.37	-0.58	0.76	-2.09#	-1.29	-1.03	-1.25*	1.30	1.29	-0.41	0.15
1972-73 SE OF DP		0.60	0.62	0.68	0.65	0.38	0.36	0.18	1.09	2.13	0.75	1.06	0.46	0.39	0.45	0.72	1.34	0.61	1.19	1.01	0.88	0.45
AGE: Ad																						
1972-73 P-VALUE	2.36	2.84	1.34	1.84	3.31	3.14	1.63	2.43	2.42	1.13	1.95	2.52	2.58	2.49	1.64	4.55	1.66	3.70	0.53	2.27	0.45	2.62
1972-73 SE OF P-VAL	0.44	0.87	0.50	0.63	1.27	0.72	0.44	0.51	0.99	0.80	0.58	1.19	0.68	0.74	1.69	1.26	0.85	1.33	0.39	0.81	0.44	0.85
1972-73 DELTA-P		0.48	-1.02	-0.52	0.95	0.78	-0.73	0.07	0.06	-1.23	-0.41	0.16	0.22	0.13	-0.72	2.19	-0.70	1.34	-1.83#	-0.09	-1.91#	0.26
1972-73 SE OF DP		0.76	0.58	0.61	0.99	0.40	0.37	0.14	1.00	0.86	0.55	1.03	0.55	0.51	1.53	1.16	0.89	1.23	0.58	0.81	0.58	0.54

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 301011-34 RU242

Attitude toward reading science articles in magazines

Part B. If so what article have you read most recently? (For adults, not asked unless Part A response was "often" or "sometimes".)

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 25 AGE: 17 TEXT: Other Unacceptable Responses.																						
1972-73 P-VALUE	4.49	3.44	4.34	5.96	4.27	4.90	4.09	3.94	8.41	5.38	2.52	6.26	4.34	4.68	2.93	5.50	6.23	1.76	4.06	4.80	5.98	4.44
1972-73 SE OF P-VAL	0.51	0.95	0.95	1.13	0.96	0.83	0.69	0.52	1.63	2.26	1.06	2.45	1.02	0.72	1.37	1.72	2.01	0.76	1.00	1.73	1.05	1.12
1972-73 DELTA-P		-1.05	-0.15	1.47	-0.22	0.41	-0.40	-0.55*	3.92#	0.89	-1.97	1.77	-0.15	0.19	-1.56	1.01	1.74	-2.73#	-0.43	0.31	1.49	-0.05
1972-73 SE OF DP		0.81	0.89	0.93	0.83	0.58	0.56	0.24	1.54	2.12	1.16	2.24	0.88	0.53	1.46	1.68	1.97	0.78	1.05	1.72	1.05	0.83
AGE: Ad																						
1972-73 P-VALUE	6.05	4.95	6.79	6.51	6.01	5.38	6.68	6.13	7.09	2.61	3.61	8.29	7.72	5.68	1.36	6.67	4.55	6.25	2.66	9.40	6.71	5.79
1972-73 SE OF P-VAL	0.65	1.34	1.40	0.96	1.50	0.83	0.83	0.74	2.14	1.40	0.80	1.79	1.28	1.17	0.71	1.93	1.23	1.94	1.88	2.82	2.43	1.08
1972-73 DELTA-P		-1.10	0.74	0.46	-0.04	-0.67	0.63	0.08	1.04	-3.44*	-2.44#	2.24	1.67	-0.37	-4.69#	0.62	-1.50	0.20	-3.39	3.35	0.66	-0.26
1972-73 SE OF DP		1.14	1.24	0.92	1.23	0.54	0.50	0.28	2.01	1.56	0.95	1.48	0.96	0.94	0.90	1.88	1.26	1.76	1.90	2.61	2.34	0.91
RESPONSE: 39 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	7.17	7.13	9.85	6.27	6.06	7.13	7.21	7.53	5.09	5.80	7.43	3.24	6.78	7.87	9.85	9.09	8.19	6.29	5.57	6.06	9.07	7.15
1972-73 SE OF P-VAL	0.64	1.02	1.88	1.04	1.16	0.90	0.72	0.71	1.37	2.24	2.06	1.25	0.93	1.19	3.03	1.99	2.12	2.23	1.26	1.69	1.95	1.25
1972-73 DELTA-P		-0.04	2.68	-0.90	-1.11	-0.04	0.04	0.36	-2.08	-1.37	0.26	-3.93#	-0.39	0.70	2.68	1.92	1.02	-0.88	-1.60	-1.11	1.90	-0.02
1972-73 SE OF DP		0.94	1.57	0.97	1.01	0.51	0.50	0.23	1.32	2.16	2.07	1.46	0.90	0.77	2.84	2.06	2.10	2.09	1.33	1.62	1.86	0.92
AGE: Ad																						
1972-73 P-VALUE	11.43	9.96	13.76	13.04	9.18	12.66	10.28	10.62	18.65	10.02	15.90	10.48	9.21	9.22	20.84	11.87	6.59	8.26	17.62	9.80	12.24	12.55
1972-73 SE OF P-VAL	0.89	1.99	2.18	1.29	1.70	1.36	1.16	0.87	3.16	3.11	2.13	1.77	1.21	1.26	7.54	2.53	2.03	1.96	3.29	2.50	2.21	1.50
1972-73 DELTA-P		-1.47	2.33	1.61	-2.25	1.23	-1.15	-0.81	7.22#	-1.41	4.47#	-0.95	-2.22	-2.21	9.41	0.44	-4.84#	-3.17	6.19	-1.63	0.81	1.12
1972-73 SE OF DP		1.67	1.88	1.24	1.47	0.93	0.87	0.42	2.79	2.97	1.57	1.62	1.16	1.17	7.34	2.56	1.93	2.00	3.21	2.26	1.97	1.04

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

A. Do you agree with the following statement?

The methods of science are fine for scientists, but there is little in these methods to help people with everyday problems.

○ I agree.

● I do not agree.

○ I have no opinion.

B. Give a reason for your answer.

____

____

____

____

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NAEP #: 302002-234

72-73 Report #: RU269

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: B. Appreciate inquiry skills.

Science Type: Unclassified

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus semi-professional
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	02-26	02-05	06-31
72-73 National P-val:			
RU269A	47.92	63.94	70.56
RU269B	4.58	8.88	15.88

Timing: (in seconds)

		13	17IS	Adult
	Stimulus:	17	16	18
	Response:	17	16	*
RU269A	Part total:	34	32	*
	Stimulus:	2	3	2
	Response:	53	54	*
RU269B	Part total:	55	57	*
RU269	Exercise total:	89	89	*

*Time not limited by paced tape.

Exercise 302002-2,3,4; RU 269

A. Do you agree with the following statement?

The methods of science are fine for scientists, but there is little in these methods to help people with everyday problems.

B. Give a reason for your answer.

00 = no response

Acceptable

10 = Problem solving skills that scientists use can be used in everyday life
- When you have a problem, you can solve it the way scientists do.
- The methods of scientists relate to the problems of today from a scientific point of view. They deal with things as they are, not as they appear to be!
- In solving everyday problems like fixing a TV or a lamp, it is good to use scientific methods; hypothesize what is wrong and set up an ordered plan of action.
- By eliminating extra data and evaluating only the pertinent information, as scientists do, many "everyday" problems would become more clearly defined & thus more easily solved.
- Scientific methods are based on (1) definition of the problem (2) listing of possible alternatives for solution (3) step by step progressions to solutions - this approach is BASIC to all problem solving, even everyday problems.

11 = Measuring skills that scientists use can be used in everyday life
- There are things in science that help the everyday person. For instance how many ounces are in a pound.

12 = Communication skills that scientists use can be used in everyday life
- no examples

13 = Logical thinking that scientists use can be used in everyday life
- Science works basically on logic which is helpful in solving "everyday" problems.
- Scientific methods are designed to make you think logically. When someone has evidence or establishes facts about something and infers conclusions from them.
- The process of inductive logic can be used to solve everyday problems as well as complex problems.
- The methods used in science follow a logical sequence. To solve everyday problems some semblence to logical order is necessary.

- A logical & objective approach can be of obvious use in solving any type of problem.
- Logical reasoning and a programmed approach are applicable to all kinds of problems, not just scientific ones.

14 = Attitudes (honesty, etc.) that scientists have can be applied to everyday life
- The methods of science teach patience. This can be applied to life.
- Science tries to do away with unproven assumptions & prejudices in solving problems.
- Scientists are careful, methodical, & inquisitive. All these qualities and traits should be developed by everyone.

15 = Safety methods that scientists use can be used in everyday life
- Because it shows and tells what to do in case of fire & things like that. It could tell you how to be safe in household stuff.
- In safety - understanding grounding systems, kindling points of various materials (parafin).
- Certain chemicals in cleaning solutions do not mix well - knowledge of this may prevent serious accidents.

16 = Other acceptable. (Most responses tell how an ordinary person can use scientific knowledge, as opposed to scientific methods, in his everyday life.)
- Because when you are lifting a big box you could use a wedge.
- Because it could help you when you're planting a garden because you know how much water to put in stuff like that.
- Scientists use methods in farming and a farmer uses these better methods.
- It gives the measure of time and a lot of things that we use today in everyday life - example: machines.
- Take the example of planting. There are scientific problems and methods to know in order to follow procedure.
- Methods of science help us from day to day in building new things.
- Example: Knowing effects of energy in different forms can help in cutting household costs of heating, cooking, lighting, etc.
- When gardening you can use science. When fixing just about anything science comes in handy.
- The average person predicts roughly the weather for the next day by watching for signs in the atmosphere.
- Everyday problems are solved scientifically without us really realizing it; such as, when we mix vinegar and oil together and they settle from one another.

- -

Unacceptable

20 = Unacceptable
(Not categorized, but generally fall into four basic groups)
**Any reason for agreeing with the statement
What scientists learn is a lot more complicated for everyday people.
People don't refer back to school very often.
They use big words that ordinary people can't understand so it doesn't help us much.
Some of the methods may be too complicated for average people who may not be as bright in this field.
I agree because the equipment and the knowledge used is superior to what you find in an everyday home or situation.

**Tells how scientists use their methods to help people in their everyday lives
Take for instance oven cleaners; they are constantly trying to improve them to help Mrs. Housewife.
Science has something for everyone regardless of their ideas.
Because when people are dying for some reason and scientists have the methods and cure, this is well for the people and it does help them.
There are lots of things that scientists could find to help people today. Finding a cure for the disease and what is causing it.

**Restatement of part A
Most scientific methods today do help people with everyday problems.
I do not agree because science benefits society as a whole, not just scientists.
Some things of science can be very useful later in life.
The methods of science can be used in everyday problems.

**Other
Many things are related to some scientific things we do everyday.
Because there are lots of things that we need to know about science.
If you know some things the scientists know you probably could clean and protect you and your possessions.
Because I use science and I enjoy it.
Science is always useful in learning about our world, facts of life, solving problems, and having general knowledge of different aspects of life.
I do not agree because scientists go by these things scientifically to find an answer and that answer is usually right.

39 = I don't know

EXERCISE: 302002-234 R0269

Attitude toward applying the scientific method in dealing with everyday problems.

Part A. Do you agree with the statement, "The methods of science are fine for scientists, but there is little in these methods to help people with everyday problems"?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.96	1.70	0.71	0.49	1.00	1.31	0.62	0.48	4.27	0.00	1.25	0.56	0.79	1.05	1.13	0.00	2.64	0.00	2.94	1.77	0.47	0.34
1972-73 SE OF P-VAL	0.25	0.69	0.45	0.31	0.44	0.34	0.30	0.19	1.37	0.00	0.78	0.56	0.35	0.38	0.57	0.00	1.36	0.00	0.97	0.86	0.48	0.24
1972-73 DELTA-P		0.74	-0.25	-0.47	0.04	0.35	-0.34	-0.48*	3.31#	-0.96#	0.29	-0.40	-0.17	0.09	0.17	-0.96#	1.68	-0.96#	1.98*	0.81	-0.49	-0.62*
1972-73 SE OF DP		0.56	0.42	0.32	0.42	0.21	0.21	0.21	1.20	0.25	0.73	0.50	0.33	0.26	0.49	0.25	1.31	0.25	0.83	0.74	0.48	0.28
AGE: 17																						
1972-73 P-VALUE	0.08	0.14	0.19	0.00	0.00	0.09	0.07	0.00	0.56	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.33	0.00	0.00	0.00	0.00	0.11
1972-73 SE OF P-VAL	0.05	0.14	0.18	0.00	0.00	0.08	0.07	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.33	0.00	0.00	0.00	0.00	0.10
1972-73 DELTA-P		0.06	0.11	-0.08	-0.08	0.01	-0.01	-0.08	0.48	-0.08	-0.08	-0.08	-0.08	-0.08	1.17	-0.08	0.25	-0.08	-0.08	-0.08	-0.08	0.03
1972-73 SE OF DP		0.11	0.15	0.05	0.05	0.06	0.05	0.05	0.34	0.05	0.05	0.05	0.05	0.05	0.87	0.05	0.30	0.05	0.05	0.05	0.05	0.07
AGE: A3																						
1972-73 P-VALUE	0.16	0.27	0.23	0.00	0.17	0.28	0.05	0.14	0.43	0.00	0.28	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.24
1972-73 SE OF P-VAL	0.08	0.20	0.23	0.00	0.18	0.16	0.05	0.08	0.43	0.00	0.21	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.17
1972-73 DELTA-P		0.11	0.07	-0.16*	0.01	0.12	-0.11	-0.02	0.27	-0.16*	0.12	-0.16*	0.14	-0.16*	-0.16*	-0.16*	-0.16*	-0.16*	-0.16*	0.46	-0.16*	0.08
1972-73 SE OF DP		0.16	0.20	0.08	0.15	0.09	0.08	0.05	0.39	0.08	0.17	0.08	0.16	0.08	0.08	0.08	0.08	0.08	0.08	0.40	0.08	0.12
RESPONSE: 01 AGE: 13 TEXT: I agree.																						
1972-73 P-VALUE	27.88	28.54	30.99	25.64	26.97	26.65	29.09	25.09	37.84	43.63	38.37	30.71	27.74	21.90	37.89	31.07	42.94	16.19	30.02	23.96	28.05	28.93
1972-73 SE OF P-VAL	1.09	2.40	2.36	1.86	2.06	1.15	1.98	1.26	2.59	4.07	4.09	3.24	1.60	1.39	2.63	4.88	4.08	2.33	3.48	2.36	2.44	1.47
1972-73 DELTA-P		0.66	3.11	-2.24	-0.91	-1.23	1.21	-2.79#	9.96#	15.75#	10.49#	2.83	-0.14	-5.98#	10.01#	3.19	15.06#	-11.69#	2.14	-3.92	0.17	1.05
1972-73 SE OF DP		2.34	2.03	1.63	1.43	1.13	1.12	0.57	2.55	4.10	3.77	2.92	1.65	0.99	2.15	4.38	4.07	2.29	3.31	2.17	2.27	1.35
AGE: 17																						
1972-73 P-VALUE	23.99	24.98	26.22	23.31	21.77	24.53	23.53	21.70	34.80	30.14	25.58	31.92	23.29	21.69	25.53	26.73	28.53	22.35	25.09	21.53	19.37	24.83
1972-73 SE OF P-VAL	1.34	2.80	2.19	3.09	2.13	1.75	1.60	1.36	3.21	3.20	3.88	2.73	1.98	1.77	4.26	3.45	3.95	4.53	3.76	3.71	1.98	1.84
1972-73 DELTA-P		0.99	2.23	-0.68	-2.22	0.54	-0.46	-2.29#	10.81#	6.15	1.59	7.93#	-0.70	-2.30	1.54	2.74	4.54	-1.64	1.10	-2.46	-4.62*	0.84
1972-73 SE OF DP		2.30	2.15	2.45	2.06	1.09	0.93	0.66	2.73	3.21	3.74	2.45	1.44	1.16	4.06	3.46	3.42	3.99	3.61	3.29	2.15	1.61
AGE: A3																						
1972-73 P-VALUE	14.83	15.08	13.15	17.46	13.01	14.11	15.50	12.51	28.85	24.03	19.28	14.89	14.87	10.63	10.98	15.81	22.76	12.87	14.26	20.37	11.69	12.78
1972-73 SE OF P-VAL	0.61	1.44	1.63	1.71	1.40	1.27	1.29	0.89	3.55	3.50	1.62	2.79	1.47	1.72	4.16	2.70	3.15	3.24	3.16	2.73	2.17	1.28
1972-73 DELTA-P		0.25	-1.68	2.63	-1.82	-0.72	0.67	-2.32#	14.02#	9.20#	4.45#	0.06	0.04	-4.20#	-3.85	0.98	7.93#	-1.96	-0.57	5.54*	-3.14	-2.05
1972-73 SE OF DP		1.40	1.48	1.30	1.28	1.03	0.96	0.49	3.45	3.46	1.50	2.48	1.36	1.46	4.18	2.73	3.06	2.93	3.10	2.57	2.09	1.12
RESPONSE: 02* AGE: 13 TEXT: I do not agree.																						
1972-73 P-VALUE	47.92	51.46	41.48	48.09	50.12	47.18	48.65	52.91	26.63	27.88	34.91	39.52	48.21	58.54	29.57	48.01	24.36	57.79	44.55	55.22	47.22	47.24
1972-73 SE OF P-VAL	1.23	2.74	2.61	2.06	2.19	1.71	1.97	1.36	2.40	3.76	4.70	3.20	2.51	1.67	2.88	5.13	2.31	3.41	3.08	2.77	3.34	1.61
1972-73 DELTA-P		3.54	-6.44#	0.17	2.20	-0.74	0.73	4.99#	-21.29#	-20.04#	-13.01#	-8.40#	0.29	10.62#	-18.35#	0.09	-23.56#	9.87#	-3.37	7.30#	-0.70	-0.68
1972-73 SE OF DP		2.29	2.27	1.83	1.97	1.39	1.37	0.66	2.40	3.82	4.45	3.08	2.47	1.38	2.29	4.61	2.61	3.17	2.94	2.66	2.95	1.56
AGE: 17																						
1972-73 P-VALUE	63.94	63.44	62.40	66.84	62.43	63.07	64.68	67.36	48.90	52.37	59.74	55.02	64.39	69.03	48.89	64.65	53.78	71.11	60.79	66.43	70.15	62.39
1972-73 SE OF P-VAL	1.53	3.42	2.70	3.11	2.65	2.20	1.84	1.64	2.84	3.17	4.10	3.59	2.18	2.30	4.46	3.68	3.96	4.48	3.63	4.57	3.21	2.40
1972-73 DELTA-P		-0.50	-1.54	2.90	-1.51	-0.87	0.74	3.42#	-15.04#	-11.57#	-4.20	-8.92#	0.45	5.09#	-15.05#	0.71	-10.16#	7.17	-3.15	2.49	6.21*	-1.55
1972-73 SE OF DP		2.75	2.50	2.50	2.46	1.44	1.23	0.71	2.58	3.32	3.94	3.24	1.86	1.43	4.57	3.81	3.83	4.06	3.49	4.10	3.07	1.93
AGE: A3																						
1972-73 P-VALUE	70.56	67.75	68.94	70.65	74.60	72.19	69.04	74.98	45.94	48.83	58.20	65.69	73.68	85.09	47.27	65.31	56.25	80.70	67.38	61.53	76.66	73.13
1972-73 SE OF P-VAL	1.23	2.76	3.59	2.07	1.59	2.16	1.79	1.22	4.10	5.14	2.50	3.52	1.49	1.75	11.21	4.09	4.36	3.33	4.91	3.95	3.91	1.47
1972-73 DELTA-P		-2.81	-1.62	0.09	4.04*	1.63	-1.52	4.42#	-24.62#	-21.73#	-12.36#	-4.87	3.12	14.53#	-23.29*	-5.25	-14.31#	10.14#	-3.18	-9.03*	6.10	2.57*
1972-73 SE OF DP		2.30	3.03	1.84	1.68	1.60	1.47	0.65	3.79	5.14	2.04	3.00	1.62	1.63	10.83	3.98	4.12	3.19	4.67	3.74	3.49	1.28
RESPONSE: 03 AGE: 13 TEXT: I have no opinion.																						
1972-73 P-VALUE	23.24	18.30	26.82	25.78	21.91	24.87	21.64	21.53	31.26	28.49	25.47	29.20	23.27	18.51	31.41	20.92	30.06	26.03	22.49	19.04	24.25	23.49
1972-73 SE OF P-VAL	0.89	1.43	1.63	2.23	1.41	1.34	1.22	0.91	2.33	3.64	4.03	3.15	1.95	1.40	2.55	3.16	3.90	3.25	2.83	2.00	2.33	1.46
1972-73 DELTA-P		-4.94#	3.58*	2.54	-1.33	1.63	-1.60	-1.71#	8.02#	5.25	2.23	5.96	0.03	-4.73#	8.17#	-2.32	6.82	2.79	-0.75	-4.20*	1.01	0.25
1972-73 SE OF DP		1.34	1.52	1.73	1.33	0.93	0.92	0.43	2.11	3.42	3.97	3.10	1.69	1.17	2.30	2.90	3.75	3.09	2.67	1.91	2.17	1.24

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302002-234 8U269

Attitude toward applying the scientific method in dealing with everyday problems.

Part A. Do you agree with the statement, "The methods of science are fine for scientists, but there is little in these methods to help people with everyday problems"?

RESPONSE: 03 AGE: 17 TEXT: I have no opinion.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	11.94	11.53	11.19	9.85	15.80	12.32	11.71	10.94	15.74	17.49	14.67	13.05	12.32	9.27	24.34	8.62	17.36	6.51	14.12	12.03	10.46	12.67
1972-73 SE OF P-VAL	0.77	1.55	1.29	1.23	1.99	1.11	0.99	0.82	2.23	3.28	2.54	2.11	1.54	1.11	4.43	2.05	3.53	1.88	2.68	2.49	2.49	1.03
1972-73 DELTA-P		-0.46	-0.80	-2.14	3.81•	0.33	-0.28	-1.05•	3.75	5.50	2.68	1.06	0.33	-2.72●	12.35●	-3.37	5.37	-5.46●	2.13	0.04	-1.51	0.68
1972-73 SE OF DP		1.29	1.25	1.11	1.66	0.78	0.67	0.42	2.03	3.11	2.53	2.04	1.26	0.91	4.28	2.10	3.37	1.91	2.62	2.30	2.30	0.88
AGE: Ad																						
1972-73 P-VALUE	14.45	16.89	17.68	11.88	12.21	13.42	15.41	12.37	24.78	27.14	22.23	19.42	11.15	4.28	41.75	18.88	20.99	6.43	18.36	17.48	11.65	13.65
1972-73 SE OF P-VAL	0.97	2.60	2.56	1.26	1.17	1.64	1.07	0.98	2.58	4.49	1.85	2.95	1.28	0.85	12.96	2.63	3.21	1.34	5.51	3.37	3.02	1.24
1972-73 DELTA-P		2.44	3.23	-2.57•	-2.24	-1.03	0.96	-2.08●	10.33●	12.69●	7.78●	4.97	-3.30•	-10.17●	27.30•	4.43	6.54•	-8.02●	3.91	3.03	-2.80	-0.60
1972-73 SE OF DP		2.05	2.21	1.27	1.26	1.01	0.92	0.43	2.23	4.44	1.57	2.54	1.49	1.09	12.46	2.60	2.98	1.63	5.06	3.18	2.73	1.08

EXERCISE: 302002-234 8U269

Part B. Give a reason for your answer.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.82	10.00	9.76	7.37	8.47	11.33	6.35	7.21	15.58	15.52	12.89	12.03	7.52	5.76	15.70	7.95	15.66	6.18	12.01	10.46	7.65	7.16
1972-73 SE OF P-VAL	0.76	1.34	1.31	1.14	2.12	0.98	1.03	0.82	2.37	3.24	2.07	2.63	1.27	0.95	1.89	1.84	2.33	1.91	2.10	2.63	1.93	1.16
1972-73 DELTA-P		1.18	0.94	-1.45	-0.35	2.51●	-2.47●	-1.61●	6.76●	6.70•	4.07	3.21	-1.30	-3.06●	6.88●	-0.87	6.84●	-2.64	3.19	1.64	-1.17	-1.66
1972-73 SE OF DP		1.23	1.24	1.06	1.69	0.68	0.65	0.45	2.28	2.93	2.04	2.39	1.01	0.80	1.54	1.78	2.26	1.80	1.94	2.31	1.80	1.07
AGE: 17																						
1972-73 P-VALUE	5.15	7.73	4.24	4.82	3.29	6.38	4.13	4.58	7.40	7.65	8.39	5.38	4.75	3.47	14.95	2.51	8.58	3.68	10.20	2.93	3.38	5.76
1972-73 SE OF P-VAL	0.61	1.37	0.73	1.29	0.89	1.18	0.57	0.70	1.53	3.04	2.53	1.57	0.93	0.91	3.53	1.27	1.72	1.40	2.05	1.34	0.90	1.24
1972-73 DELTA-P		2.58•	-0.91	-0.33	-1.86•	1.19	-1.02	-0.57	2.25	2.50	3.24	0.23	-0.40	-1.68●	9.80●	-2.64•	3.43•	-1.47	5.05•	-2.22	-1.77	0.61
1972-73 SE OF DP		1.07	0.83	1.05	0.90	0.71	0.63	0.31	1.50	2.93	2.44	1.38	0.89	0.58	3.50	1.32	1.66	1.49	2.05	1.25	0.97	0.84
AGE: Ad																						
1972-73 P-VALUE	9.91	15.29	9.17	9.42	5.58	10.25	9.59	9.31	16.84	5.90	9.92	13.14	10.05	4.11	43.14	12.07	10.69	6.13	19.49	9.04	6.50	9.66
1972-73 SE OF P-VAL	0.99	2.77	1.91	1.71	1.05	1.66	1.05	1.07	3.95	1.92	1.52	2.75	1.98	0.89	12.97	3.27	2.00	1.92	6.60	3.36	1.95	1.14
1972-73 DELTA-P		5.38•	-0.74	-0.49	-4.33●	0.34	-0.32	-0.60	6.93	-4.01•	0.01	3.23	0.14	-5.80●	33.23●	2.16	0.78	-3.78	9.58	-0.87	-3.41	-0.25
1972-73 SE OF DP		2.17	1.77	1.55	1.23	0.99	0.93	0.50	3.67	1.97	1.36	2.72	1.59	1.18	12.46	3.15	2.08	2.04	6.00	3.08	1.99	1.13

RESPONSE: 01• AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.58	6.36	3.43	5.73	2.57	4.76	4.40	5.39	1.53	0.42	1.01	3.80	4.29	7.03	0.58	1.38	1.39	9.02	7.67	4.84	5.28	3.14
1972-73 SE OF P-VAL	0.43	0.98	0.53	1.00	0.74	0.62	0.63	0.54	0.72	0.39	0.74	1.44	0.99	0.85	0.37	0.61	0.68	2.02	1.61	1.39	1.18	0.50
1972-73 DELTA-P		1.78•	-1.15	1.15	-2.01●	0.18	-0.18	0.81●	-3.05●	-4.16●	-3.57●	-0.78	-0.29	2.45●	-4.00●	-3.20●	-3.19●	4.44•	3.09•	0.26	0.70	-1.44●
1972-73 SE OF DP		0.83	0.58	0.70	0.68	0.46	0.45	0.16	0.81	0.54	0.81	1.39	0.85	0.62	0.58	0.67	0.73	1.79	1.44	1.30	1.16	0.54
AGE: 17																						
1972-73 P-VALUE	8.88	10.85	7.45	7.29	9.71	7.95	9.67	10.26	3.38	2.97	3.21	4.08	7.80	12.74	3.41	5.48	5.98	17.44	8.47	9.47	10.56	7.19
1972-73 SE OF P-VAL	0.60	1.51	1.06	1.17	0.96	0.85	0.95	0.73	1.04	1.48	1.50	1.52	1.25	1.02	1.50	1.52	1.68	2.51	3.24	1.41	1.92	1.02
1972-73 DELTA-P		1.97	-1.43	-1.59	0.83	-0.93	0.79	1.38●	-5.50●	-5.91●	-5.67●	-4.80●	-1.08	3.86●	-5.47●	-3.40•	-2.90	8.56●	-0.41	0.59	1.68	-1.69•
1972-73 SE OF DP		1.26	1.02	0.99	0.93	0.73	0.63	0.29	1.05	1.62	1.53	1.47	1.06	0.75	1.64	1.60	1.64	2.36	3.20	1.54	1.82	0.75
AGE: Ad																						
1972-73 P-VALUE	15.88	18.10	15.47	13.74	16.32	15.25	16.46	18.30	2.91	2.94	6.79	6.06	15.64	32.97	1.73	10.68	6.09	32.37	11.67	11.95	21.69	13.83
1972-73 SE OF P-VAL	1.05	2.18	1.80	2.18	2.02	1.55	1.52	1.20	2.02	1.74	1.27	1.42	1.69	2.44	1.29	2.70	1.76	4.16	2.43	2.22	4.22	1.64
1972-73 DELTA-P		2.22	-0.41	-2.14	0.44	-0.63	0.58	2.42●	-12.97●	-12.94●	-9.09●	-9.82●	-0.24	17.09●	-14.15●	-5.20	-9.79●	16.49●	-4.21	-3.93	5.81	-2.05
1972-73 SE OF DP		1.85	1.74	1.77	1.76	1.15	1.08	0.35	2.17	1.91	1.21	1.65	1.42	1.88	1.63	2.65	2.04	3.78	2.46	2.28	3.85	1.41

RESPONSE: 10 AGE: 13 TEXT: Problem solving skills that scientists use can be used in everyday life.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.37	2.68	0.58	1.62	0.52	2.02	0.73	1.60	0.38	0.41	1.00	1.07	1.78	1.68	0.14	0.57	1.09	2.94	2.90	1.57	1.34	0.48
1972-73 SE OF P-VAL	0.25	0.77	0.32	0.42	0.39	0.42	0.32	0.30	0.37	0.39	0.74	1.07	0.49	0.47	0.15	0.40	0.60	0.92	1.02	0.72	0.76	0.15
1972-73 DELTA-P		1.31•	-0.79•	0.25	-0.85•	0.65•	-0.64•	0.23●	-0.99•	-0.96•	-0.37	-0.30	0.41	0.31	-1.23●	-0.80	-0.28	1.57•	1.53	0.20	-0.03	-0.89●
1972-73 SE OF DP		0.61	0.35	0.38	0.38	0.28	0.27	0.08	0.42	0.39	0.71	1.02	0.43	0.33	0.28	0.44	0.61	0.77	0.90	0.64	0.71	0.25

• The absolute value of this number is greater than 2.0 times its standard error.
● The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302002-234 RU269

Attitude toward applying the scientific method bn dealing with everyday problems.

Part B. Give a reason for your answer.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 10 AGE: 17	TEXT: Problem solving skills that scientists use can be used in everyday life.																					
1972-73 P-VALUE	1.30	1.85	0.65	1.37	1.14	0.80	1.73	1.53	0.40	0.31	0.27	0.57	2.13	1.27	0.00	0.27	1.31	3.58	0.34	1.06	1.58	0.98
1972-73 SE OF P-VAL	0.30	0.67	0.36	0.59	0.62	0.28	0.49	0.37	0.40	0.33	0.28	0.56	0.76	0.45	0.00	0.27	0.92	1.63	0.34	0.60	0.73	0.39
1972-73 DELTA-P		0.55	-0.65	0.07	-0.16	-0.50	0.43	0.23*	-0.90*	-0.99*	-1.03*	-0.73	0.83	-0.03	-1.30#	-1.03*	0.01	2.28	-0.96*	-0.24	0.28	-0.32
1972-73 SE OF DP		0.54	0.41	0.49	0.54	0.31	0.26	0.10	0.45	0.48	0.44	0.57	0.58	0.37	0.30	0.43	0.89	1.47	0.44	0.58	0.65	0.32
AGE: Ad																						
1972-73 P-VALUE	5.56	7.05	5.20	4.13	5.92	4.99	6.09	6.41	0.00	2.95	2.97	2.41	4.69	11.74	0.00	4.88	2.39	7.69	3.67	6.02	7.56	5.42
1972-73 SE OF P-VAL	0.54	1.46	0.88	0.58	1.20	0.74	0.79	0.62	0.00	1.74	0.70	0.89	0.89	1.28	0.00	1.86	1.11	2.27	1.69	1.28	1.48	0.83
1972-73 DELTA-P		1.49	-0.36	-1.43*	0.36	-0.57	0.53	0.85#	-5.56#	-2.61	-2.59#	-3.15#	-0.87	6.18#	-5.56#	-0.68	-3.17#	2.13	-1.89	0.46	2.00	-0.14
1972-73 SE OF DP		1.15	0.86	0.67	1.00	0.56	0.53	0.15	0.54	1.77	0.65	0.92	0.72	1.01	0.54	1.85	1.17	1.95	1.76	1.29	1.43	0.63
RESPONSE: 11 AGE: 13	TEXT: Measuring skills that scientists use can be used in everyday life.																					
1972-73 P-VALUE	0.30	0.30	0.42	0.20	0.32	0.36	0.24	0.37	0.00	0.00	0.00	0.00	0.17	0.61	0.00	0.30	0.00	0.49	0.00	0.00	0.66	0.40
1972-73 SE OF P-VAL	0.12	0.30	0.10	0.20	0.27	0.14	0.15	0.14	0.00	0.00	0.00	0.00	0.14	0.23	0.00	0.30	0.00	0.49	0.00	0.00	0.51	0.26
1972-73 DELTA-P		0.00	0.12	-0.10	0.02	0.06	-0.06	0.07*	-0.30#	-0.30#	-0.30#	-0.30#	-0.13	0.31	-0.30#	0.00	-0.30#	0.19	-0.30#	-0.30#	0.36	0.10
1972-73 SE OF DP		0.25	0.14	0.17	0.23	0.09	0.09	0.03	0.12	0.12	0.12	0.12	0.11	0.12	0.12	0.33	0.12	0.44	0.12	0.12	0.45	0.22
AGE: 17																						
1972-73 P-VALUE	0.31	0.23	0.38	0.11	0.58	0.34	0.28	0.39	0.00	0.00	0.00	0.00	0.03	0.61	0.58	0.95	0.00	0.00	0.53	0.00	0.66	0.38
1972-73 SE OF P-VAL	0.11	0.20	0.27	0.11	0.32	0.19	0.12	0.14	0.00	0.00	0.00	0.00	0.03	0.25	0.57	0.65	0.00	0.00	0.51	0.00	0.48	0.20
1972-73 DELTA-P		-0.08	0.07	-0.20	0.27	0.03	-0.03	0.08#	-0.31#	-0.31#	-0.31#	-0.31#	-0.28#	0.30*	0.27	0.64	-0.31#	-0.31#	0.22	-0.31#	0.35	0.07
1972-73 SE OF DP		0.17	0.23	0.13	0.26	0.12	0.10	0.03	0.11	0.11	0.11	0.11	0.11	0.15	0.54	0.62	0.11	0.11	0.49	0.11	0.43	0.15
AGE: Ad																						
1972-73 P-VALUE	0.68	0.09	0.83	1.12	0.67	0.30	1.03	0.81	0.00	0.00	0.00	0.76	0.32	1.73	0.78	0.57	0.00	1.30	0.00	0.00	2.41	0.51
1972-73 SE OF P-VAL	0.25	0.09	0.47	0.74	0.36	0.18	0.44	0.29	0.00	0.00	0.00	0.49	0.22	0.86	0.80	0.58	0.00	0.68	0.00	0.00	1.79	0.24
1972-73 DELTA-P		-0.59*	0.15	0.44	-0.01	-0.38	0.35	0.13#	-0.68#	-0.68#	-0.68#	0.08	-0.36	1.05	0.10	-0.11	-0.68#	0.62	-0.68#	-0.68#	1.73	-0.17
1972-73 SE OF DP		0.25	0.44	0.55	0.35	0.25	0.23	0.05	0.25	0.25	0.25	0.47	0.28	0.64	0.82	0.59	0.25	0.62	0.25	0.25	1.60	0.27
RESPONSE: 12 AGE: 13	TEXT: Communication skills that scientists use can be used in everyday life.																					
	Response did not occur at this age.																					
AGE: 17																						
1972-73 P-VALUE	0.09	0.33	0.00	0.00	0.00	0.00	0.17	0.11	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.09	0.32	0.00	0.00	0.00	0.00	0.17	0.11	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.79	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.24	-0.09	-0.09	-0.09	-0.09	0.08	0.02	-0.09	-0.09	-0.09	-0.09	-0.09	0.12	-0.09	-0.09	-0.09	0.74	-0.09	-0.09	-0.09	-0.09
1972-73 SE OF DP		0.22	0.09	0.09	0.09	0.09	0.08	0.02	0.09	0.09	0.09	0.09	0.09	0.12	0.09	0.09	0.09	0.70	0.09	0.09	0.09	0.09
AGE: Ad																						
	Response did not occur at this age.																					
RESPONSE: 13 AGE: 13	TEXT: Logical thinking that scientists use can be used in everyday life.																					
1972-73 P-VALUE	0.26	0.09	0.39	0.53	0.00	0.38	0.14	0.32	0.00	0.00	0.00	0.00	0.54	0.27	0.00	0.24	0.00	0.48	1.11	0.00	0.00	0.16
1972-73 SE OF P-VAL	0.10	0.10	0.13	0.34	0.00	0.22	0.08	0.13	0.00	0.00	0.00	0.00	0.34	0.09	0.00	0.24	0.00	0.33	0.86	0.00	0.00	0.12
1972-73 DELTA-P		-0.17	0.13	0.27	-0.26#	0.12	-0.12	0.06*	-0.26#	-0.26#	-0.26#	-0.26#	0.28	0.01	-0.26#	-0.02	-0.26#	0.22	0.85	-0.26#	-0.26#	-0.10
1972-73 SE OF DP		0.12	0.14	0.24	0.10	0.13	0.13	0.03	0.10	0.10	0.10	0.10	0.25	0.11	0.10	0.29	0.10	0.33	0.77	0.10	0.10	0.13
AGE: 17																						
1972-73 P-VALUE	2.96	3.28	2.29	2.69	3.51	3.48	2.51	3.53	0.25	1.48	0.22	0.96	1.19	5.54	0.90	2.02	0.28	5.74	3.92	3.55	4.63	2.25
1972-73 SE OF P-VAL	0.34	0.89	0.47	0.55	0.64	0.65	0.42	0.41	0.17	1.45	0.22	0.65	0.44	0.62	0.90	1.23	0.18	1.76	2.34	1.04	1.17	0.89
1922-73 DELTA-P		0.32	-0.67	-0.27	0.55	0.52	-0.45	0.57#	-2.71#	-1.48	-2.74#	-2.00#	-1.77#	2.58#	-2.06*	-0.94	-2.68#	2.78	0.96	0.59	1.67	-0.71
1972-73 SE OF DP		0.68	0.50	0.50	0.58	0.46	0.39	0.14	0.37	1.44	0.41	0.64	0.41	0.39	0.93	1.23	0.41	1.64	2.25	0.98	1.14	0.46

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302002-234 NU269

Attitude toward applying the scientific metaod in dealing with everyday problems.

Part B. Give a reason for your answer.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 13 AGE: Ad	TEXT: Logical thinking that scientists use can be used in everyday life.																					
1972-73 P-VALUE	5.86	6.95	7.40	3.85	5.74	6.89	4.90	6.71	1.98	0.00	2.02	1.23	6.91	12.04	0.00	3.11	3.17	15.68	3.89	3.87	5.94	4.55
1972-73 SE OF P-VAL	0.60	1.37	1.46	0.93	0.95	0.86	0.75	0.65	1.92	0.00	0.65	0.63	1.23	1.50	0.00	1.46	1.32	3.10	1.52	1.96	1.87	0.80
1972-73 DELTA-P		1.09	1.54	-2.01*	-0.12	1.03	-0.96	0.85#	-3.88*	-5.86#	-3.84#	-4.63#	1.05	6.18#	-5.86#	-2.75	-2.69	9.82#	-1.97	-1.99	0.09	-1.31
1972-73 SE OF DP		1.13	1.26	0.93	0.90	0.57	0.52	0.22	1.80	0.60	0.72	0.82	0.94	1.18	0.60	1.43	1.36	2.80	1.57	1.85	1.72	0.79
RESPONSE: 14 AGE: 13	TEXT: Attitudes (honesty, etc.) that scientists have can be applied to everyday life.																					
	Response did not occur at this age.																					
AGE: 17																						
1972-73 P-VALUE	0.14	0.26	0.00	0.00	0.28	0.03	0.23	0.17	0.00	0.00	0.00	0.00	0.25	0.14	0.00	0.00	0.52	0.59	0.00	0.07	0.00	0.00
1972-73 SE OF P-VAL	0.09	0.22	0.00	0.00	0.27	0.02	0.16	0.11	0.00	0.00	0.00	0.00	0.21	0.14	0.00	0.00	0.54	0.57	0.00	0.07	0.00	0.00
1972-73 DELTA-P		0.12	-0.14	-0.14	0.14	-0.11	0.09	0.03	-0.14	-0.14	-0.14	-0.14	0.11	0.00	-0.14	-0.14	0.38	0.45	-0.14	-0.07	-0.14	-0.14
1972-73 SE OF DP		0.17	0.09	0.09	0.22	0.09	0.08	0.02	0.09	0.09	0.09	0.09	0.16	0.10	0.09	0.09	0.49	0.51	0.09	0.10	0.09	0.09
AGE: Ad																						
1972-73 P-VALUE	0.06	0.11	0.24	0.00	0.00	0.10	0.06	0.09	0.00	0.00	0.00	0.18	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00
1972-73 SE OF P-VAL	0.06	0.11	0.23	0.00	0.00	0.10	0.05	0.07	0.00	0.00	0.00	0.18	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00
1972-73 DELTA-P		0.03	0.16	-0.08	-0.08	0.02	-0.02	0.01	-0.08	-0.08	-0.08	0.10	-0.08	0.11	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	0.62	-0.08
1972-73 SE OF DP		0.09	0.19	0.06	0.06	0.06	0.05	0.01	0.06	0.06	0.06	0.16	0.06	0.14	0.06	0.06	0.06	0.06	0.06	0.06	0.46	0.06
RESPONSE: 15 AGE: 13	TEXT: Safety methods that scientists use can be used in everyday life.																					
1972-73 P-VALUE	0.23	0.13	0.50	0.17	0.14	0.11	0.35	0.28	0.00	0.00	0.00	0.33	0.11	0.29	0.31	0.00	0.00	0.00	0.00	0.56	0.72	0.17
1972-73 SE OF P-VAL	0.12	0.10	0.43	0.18	0.15	0.06	0.22	0.15	0.00	0.00	0.00	0.34	0.09	0.19	0.31	0.00	0.00	0.00	0.00	0.40	0.72	0.10
1972-73 DELTA-P		-0.10	0.27	-0.06	-0.09	-0.12	0.12	0.05	-0.23	-0.23	-0.23	0.10	-0.12	0.06	0.08	-0.23	-0.23	-0.23	-0.23	0.33	0.49	-0.06
1972-73 SE OF DP		0.14	0.34	0.16	0.16	0.11	0.11	0.03	0.12	0.12	0.12	0.26	0.13	0.10	0.28	0.12	0.12	0.12	0.12	0.35	0.63	0.13
AGE: 17																						
1972-73 P-VALUE	0.07	0.24	0.00	0.00	0.00	0.00	0.13	0.09	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00
1972-73 SE OF P-VAL	0.07	0.25	0.00	0.00	0.00	0.00	0.12	0.08	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00
1972-73 DELTA-P		0.17	-0.07	-0.07	-0.07	-0.07	0.06	0.02	-0.07	-0.07	-0.07	-0.07	0.15	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	0.54	-0.07
1972-73 SE OF DP		0.18	0.07	0.07	0.07	0.07	0.06	0.02	0.07	0.07	0.07	0.07	0.15	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.52	0.07
AGE: Ad																						
1972-73 P-VALUE	0.18	0.00	0.29	0.00	0.47	0.12	0.23	0.21	0.00	0.00	0.23	0.00	0.00	0.47	0.00	0.00	0.00	0.87	0.00	0.00	0.55	0.00
1972-73 SE OF P-VAL	0.10	0.00	0.29	0.00	0.34	0.12	0.16	0.12	0.00	0.00	0.23	0.00	0.00	0.33	0.00	0.00	0.00	0.59	0.00	0.00	0.51	0.00
1972-73 DELTA-P		-0.18	0.11	-0.18	0.29	-0.06	0.05	0.03	-0.18	-0.18	0.05	-0.18	-0.18	0.29	-0.18	-0.18	-0.18	0.69	-0.18	-0.18	0.37	-0.18
1972-73 SE OF DP		0.10	0.24	0.10	0.26	0.11	0.10	0.02	0.10	0.10	0.19	0.10	0.10	0.25	0.10	0.10	0.10	0.51	0.10	0.10	0.46	0.10
RESPONSE: 16 AGE: 13	TEXT: Other Acceptable Responses: Responses tell how a person can use scientific knowledge, as opposed to scientific methods, in everyday life.																					
1972-73 P-VALUE	2.41	3.15	1.53	3.19	1.59	1.88	2.94	2.79	1.14	0.00	0.00	2.40	1.68	4.17	0.12	0.25	0.29	5.11	3.65	2.70	2.56	1.92
1972-73 SE OF P-VAL	0.31	0.64	0.64	0.72	0.41	0.42	0.48	0.39	0.64	0.00	0.00	0.83	0.55	0.72	0.12	0.24	0.30	1.57	0.85	0.94	1.24	0.45
1972-73 DELTA-P		0.74	-0.88	0.78	-0.82	-0.53	0.53	0.38#	-1.27	-2.41#	-2.41#	-0.01	-0.73	1.76#	-2.29#	-2.16#	-2.12#	2.70	1.24	0.29	0.15	-0.49
1972-73 SE OF DP		0.56	0.57	0.56	0.43	0.33	0.32	0.13	0.69	0.31	0.31	0.85	0.53	0.48	0.33	0.35	0.43	1.43	0.82	0.84	1.16	0.45
AGE: 17																						
1972-73 P-VALUE	4.02	4.67	4.14	3.13	4.21	3.30	4.63	4.45	2.74	1.19	2.73	2.56	4.00	4.97	1.94	2.24	3.88	6.71	3.68	4.79	3.08	3.59
1972-73 SE OF P-VAL	0.43	1.04	0.85	0.65	0.85	0.57	0.59	0.53	0.92	0.78	1.46	1.34	0.87	0.85	1.13	0.84	0.99	2.18	2.29	1.26	1.09	0.78
1972-73 DELTA-P		0.65	0.12	-0.89	0.19	-0.72	0.61	0.43*	-1.28	-2.83#	-1.29	-1.46	-0.02	0.95	-2.08	-1.78	-0.14	2.69	-0.34	0.77	-0.94	-0.43
1972-73 SE OF DP		0.82	0.78	0.61	0.76	0.43	0.36	0.20	0.92	0.87	1.47	1.30	0.81	0.61	1.21	0.97	1.01	2.01	2.27	1.19	1.13	0.60
AGE: Ad																						
1972-73 P-VALUE	3.53	3.91	1.53	4.65	3.52	2.86	4.15	4.08	0.93	0.00	1.58	1.49	3.74	6.81	0.95	2.12	0.53	6.84	4.11	2.06	4.53	3.36
1972-73 SE OF P-VAL	0.47	1.17	0.40	1.07	0.65	0.71	0.72	0.58	0.76	0.00	0.65	0.71	0.69	1.32	0.97	1.01	0.53	1.99	2.04	1.13	1.88	0.86
1972-73 DELTA-P		0.38	-2.00#	1.12	-0.01	-0.67	0.62	0.55#	-2.60#	-3.53#	-1.95#	-2.04#	0.21	3.28#	-2.58#	-1.41	-3.00#	3.31	0.58	-1.47	1.00	-0.17
1972-73 SE OF DP		0.93	0.55	0.85	0.65	0.56	0.53	0.15	0.97	0.47	0.72	0.71	0.54	1.03	1.01	1.05	0.68	1.78	2.01	1.18	1.79	0.67

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302002-234 BU269

Attitude toward applying the scientific method in dealing with everyday problems.

Part B. Give a reason for your answer.

RESPONSE: 20 AGE: 13 TEXT: All Unacceptable Responses: Any reason for agreeing with Part A; tells how scientists use their methods to help others; or restates Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	78.22	77.58	77.86	77.02	80.56	74.83	81.55	80.13	71.04	68.23	77.99	72.32	81.42	81.22	67.92	83.16	69.83	78.25	72.39	79.24	79.26	79.59
1972-73 SE OF P-VAL	1.01	1.92	1.55	2.16	2.22	1.50	1.35	1.04	2.72	4.80	2.95	3.43	1.94	1.30	2.98	2.55	2.92	2.96	2.85	2.34	3.18	1.53
1972-73 DELTA-P		-0.64	-0.36	-1.20	2.34	-3.39#	3.33#	1.91#	-7.18#	-9.99*	-0.23	-5.90	3.20*	3.00#	-10.30#	4.94*	-8.39#	0.03	-5.83*	1.02	1.04	1.37
1972-73 SE OF DP		1.71	1.53	1.75	1.86	1.02	1.00	0.55	2.48	4.52	2.72	3.54	1.41	1.20	2.55	2.42	2.84	2.83	2.55	2.21	2.84	1.23
AGE: 17																						
1972-73 P-VALUE	82.87	79.46	85.02	84.57	82.50	82.56	83.13	82.40	84.49	85.41	83.85	86.39	84.29	81.75	75.16	88.81	80.59	78.51	80.54	82.04	83.20	84.38
1972-73 SE OF P-VAL	0.80	1.73	0.98	1.47	1.88	1.21	1.16	0.89	1.98	3.80	3.26	2.25	1.82	1.18	4.54	2.04	3.08	2.93	2.85	2.54	1.81	1.10
1972-73 DELTA-P		-3.01*	2.15	1.70	-0.37	-0.31	0.26	-0.47	1.62	2.54	0.98	3.52	1.42	-1.12	-7.71	5.94#	-2.28	-4.36	-2.33	-0.83	0.33	1.51
1972-73 SE OF DP		1.42	1.08	1.25	1.59	0.94	0.81	0.39	1.86	3.69	3.16	2.35	1.53	0.97	4.30	2.06	2.73	2.77	2.93	2.30	1.85	0.93
AGE: Ad																						
1972-73 P-VALUE	65.22	58.87	61.24	69.59	70.02	66.54	63.99	65.16	64.24	68.02	64.98	72.95	67.86	59.87	45.40	67.02	67.03	57.56	62.71	70.11	62.20	67.16
1972-73 SE OF P-VAL	1.27	2.66	3.29	2.29	1.88	2.08	1.55	1.24	4.52	5.21	2.26	2.82	2.39	2.46	10.91	3.95	4.26	4.28	5.83	3.67	4.44	1.81
1972-73 DELTA-P		-6.35#	-3.98	4.37*	4.80#	1.32	-1.23	-0.06	-0.98	2.80	-0.24	7.73#	2.64	-5.35*	-19.82	1.80	1.81	-7.66	-2.51	4.89	-3.02	1.94
1972-73 SE OF DP		2.23	2.83	1.98	1.82	1.36	1.25	0.59	3.93	5.05	1.89	2.87	2.01	2.17	10.51	3.91	3.87	4.15	5.47	3.66	4.07	1.57

RESPONSE: 39 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	8.37	6.05	8.94	9.88	8.39	9.07	7.68	7.26	11.84	15.83	8.10	11.84	6.75	5.97	15.78	7.51	13.10	6.54	7.91	5.45	7.80	10.11
1972-73 SE OF P-VAL	0.59	1.08	0.91	1.38	1.21	0.92	0.71	0.65	1.59	3.77	2.28	2.05	1.16	0.78	1.96	1.23	1.79	2.02	1.32	1.34	2.28	1.15
1972-73 DELTA-P		-2.32*	0.57	1.51	0.02	0.70	-0.69	-1.11#	3.47*	7.46*	-0.27	3.47	-1.62	-2.40#	7.41#	-0.86	4.73#	-1.83	-0.46	-2.92*	-0.57	1.74
1972-73 SE OF DP		0.97	0.90	1.10	1.04	0.57	0.56	0.37	1.51	3.64	2.26	2.00	0.98	0.70	1.70	1.25	1.71	1.86	1.36	1.32	2.10	0.91
AGE: 17																						
1972-73 P-VALUE	3.10	1.56	3.29	3.32	4.50	3.15	3.06	2.76	4.73	3.96	4.55	4.15	3.16	2.04	6.49	3.20	4.85	0.37	0.79	5.57	2.86	2.67
1972-73 SE OF P-VAL	0.46	0.60	1.01	0.96	1.12	0.65	0.63	0.48	1.18	1.38	1.99	1.09	0.78	0.49	2.27	1.71	1.50	0.37	0.54	1.15	0.99	0.59
1972-73 DELTA-P		-1.54#	0.19	0.22	1.40	0.05	-0.04	-0.34	1.63	0.86	1.45	1.05	0.06	-1.06*	3.39	0.10	1.75	-2.73#	-2.31#	2.47*	-0.24	-0.43
1972-73 SE OF DP		0.60	0.91	0.79	0.95	0.48	0.41	0.21	1.02	1.27	1.82	1.03	0.59	0.43	2.11	1.60	1.32	0.51	0.67	1.00	0.96	0.48
AGE: Ad																						
1972-73 P-VALUE	9.00	7.75	14.12	7.25	8.08	7.96	9.96	7.23	16.02	23.15	18.33	7.86	6.45	3.06	9.74	10.23	16.20	3.95	6.14	8.91	9.63	9.35
1972-73 SE OF P-VAL	0.71	1.19	1.72	1.16	1.65	0.94	1.01	0.68	2.51	4.84	1.67	1.84	1.05	0.75	4.41	2.53	2.96	1.61	1.98	1.68	2.53	1.15
1972-73 DELTA-P		-1.25	5.12#	-1.75	-0.92	-1.04	0.96	-1.77#	7.02#	14.15#	9.33#	-1.14	-2.55#	-5.94#	0.74	1.23	7.20#	-5.05#	-2.86	-0.09	0.63	0.35
1972-73 SE OF DP		1.10	1.51	1.04	1.35	0.70	0.65	0.43	2.29	4.68	1.26	1.86	0.91	0.79	4.32	2.46	2.83	1.43	1.92	1.64	2.29	0.94

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

The following statements may, or may not, indicate how you feel about the study of science. Indicate whether you agree, disagree, or neither agree nor disagree with each statement.

A. I would like to become a scientist.

- ● Agree
- ○ Disagree
- ○ Neither agree nor disagree

B. I enjoy learning about new developments which result from science, whether or not I want to become a scientist.

- ● Agree
- ○ Disagree
- ○ Neither agree nor disagree

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NAEP #:          302011-23

72-73 Report #: RU270

72-73 Obj:     III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF
                    SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF
                    SCIENCE, AND THE PERSONAL AND SOCIAL
                    RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR
                    SOCIETY.
72-73 Subobj:    B. Appreciate inquiry skills.

Science Type:       Unclassified

Exercise Type:          Multiple part multiple choice
Scoring Type:           Machine
Administration Mode:    Group

Age:                                       13       17IS
72-73 Package-Exercise:                  08-09     11-26

72-73 National P-val:
          RU270A                         13.14      9.07
          RU270B                         70.60     70.83

Timing: (in seconds)
   RU270          Introduction:            13        13
                      Stimulus:             9         8
                      Response:            11        14
   RU270A           Part total:            20        22
                      Stimulus:            14        13
                      Response:            13        14
   RU270B           Part total:            27        27
   RU270        Exercise total:            60        62
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EXERCISE: 302011-23 R0270

Attitudes toward the study of science. Indicate whether you agree, disagree or neither agree nor disagree with each statement.

Part A. I would like to become a scientist.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.09	0.11	0.00	0.00	0.25	0.06	0.12	0.03	0.00	0.91	0.10	0.00	0.00	0.00	0.51	0.00	0.42	0.00	0.19	0.00	0.11	0.06
1972-73 SE OF P-VAL	0.04	0.08	0.00	0.00	0.15	0.04	0.07	0.02	0.00	0.52	0.10	0.00	0.00	0.00	0.27	0.00	0.41	0.00	0.19	0.00	0.10	0.04
1972-73 DELTA-P		0.02	-0.09*	-0.09*	0.16	-0.03	0.03	-0.06	-0.09*	0.82	0.01	-0.09*	-0.09*	-0.09*	0.42	-0.09*	0.33	-0.09*	0.10	-0.09*	0.02	-0.03
1972-73 SE OF DP		0.07	0.04	0.04	0.12	0.04	0.04	0.04	0.04	0.48	0.10	0.04	0.04	0.04	0.23	0.04	0.38	0.04	0.18	0.04	0.10	0.05
AGE: 17																						
1972-73 P-VALUE	1.41	0.52	0.31	0.30	4.44	1.61	1.21	1.20	2.60	2.16	1.02	1.32	0.71	1.88	1.77	0.00	3.75	8.84	1.17	0.00	0.00	0.15
1972-73 SE OF P-VAL	0.66	0.42	0.31	0.30	2.57	0.73	0.63	0.88	2.24	2.21	1.01	1.14	0.38	1.56	1.35	0.00	2.96	6.82	1.15	0.00	0.00	0.15
1972-73 DELTA-P		-0.89	-1.10	-1.11	3.03	0.20	-0.20	-0.21	1.19	0.75	-0.39	-0.09	-0.70	0.47	0.36	-1.41*	2.34	7.43	-0.24	-1.41*	-1.41*	-1.26
1972-73 SE OF DP		0.73	0.70	0.69	1.93	0.17	0.18	0.37	2.38	2.21	1.26	1.37	0.73	1.00	1.45	0.66	3.04	6.25	1.24	0.66	0.66	0.67
RESPONSE: 01* AGE: 13 TEXT: Agree																						
1972-73 P-VALUE	13.14	11.68	14.60	12.27	13.97	16.20	10.03	11.37	22.16	16.79	16.97	11.12	11.09	13.60	15.05	15.56	19.29	12.44	14.26	11.13	12.07	12.31
1972-73 SE OF P-VAL	0.80	1.46	1.62	1.67	1.61	1.23	1.02	0.79	2.27	2.84	3.27	2.81	1.67	1.14	1.96	2.57	3.12	2.23	1.40	2.32	1.52	1.05
1972-73 DELTA-P		-1.46	1.46	-0.87	0.83	3.06#	-3.11#	-1.77#	9.02#	3.65	3.83	-2.02	-2.05	0.46	1.91	2.42	6.15*	-0.70	1.12	-2.01	-1.07	-0.83
1972-73 SE OF DP		1.33	1.40	1.40	1.39	0.82	0.80	0.42	2.07	2.70	3.05	2.84	1.34	0.92	1.81	2.40	2.84	2.01	1.40	2.06	1.36	0.95
AGE: 17																						
1972-73 P-VALUE	9.07	6.88	8.47	9.73	10.80	11.61	6.41	8.64	12.28	8.54	10.39	9.35	9.47	8.23	11.24	9.56	13.08	7.28	11.99	6.84	4.83	9.11
1972-73 SE OF P-VAL	0.84	1.41	1.30	1.63	2.01	1.11	0.97	0.89	2.10	3.12	4.03	2.19	1.36	1.04	2.06	2.77	1.97	2.00	2.35	2.13	1.37	1.35
1972-73 DELTA-P		-2.19	-0.60	0.66	1.73	2.54#	-2.66#	-0.43	3.21	-0.53	1.32	0.28	0.40	-0.84	2.17	0.49	4.01*	-1.79	2.92	-2.23	-4.24#	0.04
1972-73 SE OF DP		1.33	1.32	1.31	1.63	0.62	0.66	0.34	1.88	3.08	3.81	2.06	1.01	0.65	2.14	2.52	1.90	1.88	2.33	1.81	1.48	1.02
RESPONSE: 02 AGE: 13 TEXT: Disagree																						
1972-73 P-VALUE	52.44	57.51	50.78	53.59	48.11	47.64	57.32	55.20	42.21	40.21	49.49	52.02	56.31	53.33	44.64	49.07	49.66	56.29	46.94	56.60	53.64	52.00
1972-73 SE OF P-VAL	1.25	3.56	1.86	2.12	2.15	1.43	1.80	1.53	2.37	3.51	3.63	4.28	2.17	1.80	2.69	2.90	3.37	4.69	3.53	4.46	2.28	2.21
1972-73 DELTA-P		5.07	-1.66	1.15	-4.33*	-4.80#	4.88#	2.76#	-10.23#	-12.23#	-2.95	-0.42	3.87*	0.89	-7.80#	-3.37	-2.78	3.85	-5.50	4.16	1.20	-0.44
1972-73 SE OF DP		2.85	1.81	1.92	1.98	1.12	1.06	0.53	2.55	3.56	3.40	3.93	1.85	1.27	2.51	3.13	3.38	4.28	3.41	3.94	2.18	1.96
AGE: 17																						
1972-73 P-VALUE	54.48	57.73	52.54	57.02	49.79	47.40	61.89	55.57	50.11	46.23	48.94	58.18	58.35	52.28	51.66	46.80	51.45	53.63	49.97	59.62	57.11	55.09
1972-73 SE OF P-VAL	1.49	2.85	2.86	2.72	3.49	1.94	1.95	1.63	3.03	5.29	4.97	3.83	2.34	1.83	5.10	2.45	3.48	5.92	3.73	3.01	5.41	2.65
1972-73 DELTA-P		3.25	-1.94	2.54	-4.69	-7.08#	7.41#	1.09	-4.37	-8.25	-5.54	3.70	3.87*	-2.20	-2.82	-7.68#	-3.03	-0.85	-4.51	5.14	2.63	0.61
1972-73 SE OF DP		2.53	2.68	2.25	2.92	1.26	1.26	0.55	2.92	5.08	4.54	3.50	1.85	1.18	4.82	2.75	3.62	5.66	3.60	2.75	4.92	1.94
RESPONSE: 03 AGE: 13 TEXT: Neither agree nor disagree																						
1972-73 P-VALUE	34.34	30.71	34.62	34.15	37.67	36.11	32.54	33.41	35.63	42.10	33.44	36.87	32.61	33.08	39.82	35.37	30.63	31.28	38.62	32.27	34.20	35.65
1972-73 SE OF P-VAL	1.23	3.11	2.55	1.38	2.58	1.55	1.77	1.42	2.52	3.98	3.66	3.31	2.18	1.76	2.87	2.74	4.27	4.45	2.87	3.93	2.36	2.02
1972-73 DELTA-P		-3.63	0.28	-0.19	3.33	1.77	-1.80	-0.93	1.29	7.76*	-0.90	2.53	-1.73	-1.26	5.48*	1.03	-3.71	-3.06	4.28	-2.07	-0.14	1.31
1972-73 SE OF DP		2.56	2.18	1.55	2.21	1.14	1.14	0.49	2.48	3.86	3.40	2.99	1.81	1.29	2.65	2.77	4.18	4.19	2.77	3.50	2.10	1.67
AGE: 17																						
1972-73 P-VALUE	35.04	34.87	38.67	32.95	34.96	39.39	30.49	34.60	35.02	43.07	39.65	31.15	31.47	37.62	35.33	43.64	31.72	30.25	36.87	33.54	38.05	35.65
1972-73 SE OF P-VAL	1.52	3.59	3.30	2.39	2.98	1.91	1.97	1.65	2.73	5.40	4.91	3.52	2.00	1.92	4.78	3.05	3.14	8.59	3.14	3.19	4.77	2.92
1972-73 DELTA-P		-0.17	3.63	-2.09	-0.08	4.35#	-4.55#	-0.44	-0.02	8.03	4.61	-3.89	-3.57*	2.58#	0.29	8.60#	-3.32	-4.79	1.83	-1.50	3.01	0.61
1972-73 SE OF DP		2.99	2.99	2.11	2.58	1.18	1.19	0.46	2.52	5.29	4.80	3.19	1.50	0.99	4.44	3.29	3.14	8.43	3.10	2.88	4.36	2.07

EXERCISE: 302011-23 R0270

Part B. I enjoy learning about new developments which result from science whether or not I want to become a scientist.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.23	0.40	0.21	0.00	0.33	0.34	0.11	0.09	0.00	2.12	0.10	0.00	0.19	0.00	1.08	0.00	0.71	0.00	0.19	0.00	0.84	0.06
1972-73 SE OF P-VAL	0.11	0.37	0.21	0.00	0.15	0.20	0.07	0.07	0.00	1.23	0.10	0.00	0.19	0.00	0.60	0.00	0.50	0.00	0.19	0.00	0.58	0.04
1972-73 DELTA-P		0.17	-0.02	-0.23*	0.10	0.11	-0.12	-0.14	-0.23*	1.89	-0.13	-0.23*	-0.04	-0.23*	0.85	-0.23*	0.48	-0.23*	-0.04	-0.23*	0.61	-0.17
1972-73 SE OF DP		0.29	0.19	0.11	0.15	0.11	0.11	0.10	0.11	1.14	0.14	0.11	0.16	0.11	0.50	0.11	0.48	0.11	0.20	0.11	0.49	0.12

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302011-23 RU270

Attitudes toward the study of science. Indicate whether you agree, disagree or neither agree nor disagree with each statement.

Part B. I enjoy learning about new developments which result from science whether or not I want to become a scientist.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	1.23	0.51	0.31	0.00	4.11	1.44	1.01	0.98	2.59	2.15	1.01	1.32	0.43	1.67	1.77	0.00	3.74	7.12	1.16	0.00	0.00	0.15
1972-73 SE OF P-VAL	0.65	0.42	0.31	0.00	2.55	0.71	0.60	0.87	2.24	2.21	1.01	1.14	0.27	1.55	1.35	0.00	2.96	6.89	1.15	0.00	0.00	0.15
1972-73 DELTA-P		-0.72	-0.92	-1.23	2.88	0.21	-0.22	-0.25	1.36	0.92	-0.22	0.09	-0.80	0.44	0.54	-1.23	2.51	5.89	-0.07	-1.23	-1.23	-1.08
1972-73 SE OF DP		0.72	0.69	0.65	1.91	0.13	0.13	0.38	2.38	2.21	1.26	1.36	0.71	0.99	1.44	0.65	3.05	6.32	1.23	0.65	0.65	0.66
RESPONSE: 01* AGE: 13 TEXT: Agree																						
1972-73 P-VALUE	70.60	70.46	72.54	71.82	67.49	71.01	70.18	70.70	73.03	65.41	61.83	68.98	72.15	74.21	62.87	66.76	67.88	69.45	73.25	70.84	72.59	70.80
1972-73 SE OF P-VAL	1.27	2.48	2.65	2.86	1.96	1.36	1.63	1.29	3.35	3.58	4.16	3.61	1.88	1.77	3.13	5.88	6.10	3.89	3.32	2.92	2.46	2.08
1972-73 DELTA-P		-0.12	1.94	1.22	-3.11	0.41	-0.42	0.10	2.43	-5.19	-8.77*	-1.62	1.55	3.61#	-7.73#	-3.84	-2.72	-1.15	2.65	0.24	1.99	0.20
1972-73 SE OF DP		2.21	2.26	2.34	1.87	0.79	0.80	0.50	2.85	3.58	3.87	3.56	1.57	1.20	2.73	5.38	5.72	3.54	3.16	2.96	2.43	1.86
AGE: 17																						
1972-73 P-VALUE	70.[illegible]3	71.63	72.28	69.09	71.07	72.85	68.72	70.99	68.50	73.95	67.92	66.38	69.31	75.11	59.07	71.70	67.83	65.06	67.05	67.31	73.26	75.32
1972-73 SE OF P-VAL	1.3[illegible]	2.30	2.60	2.58	2.86	1.52	1.77	1.54	3.39	4.16	4.08	4.65	2.54	1.94	3.32	5.00	2.91	5.99	5.55	3.07	4.03	1.69
1972-73 DELTA-P		0.80	1.45	-1.74	0.24	2.02*	-2.11*	0.16	-2.33	3.12	-2.91	-4.45	-1.52	4.28#	-11.76#	0.87	-3.00	-5.77	-3.78	-3.52	2.43	4.49#
1972-73 SE OF DP		2.11	2.42	2.07	2.39	0.97	1.01	0.53	3.45	4.00	3.90	4.39	2.05	1.44	3.47	4.60	3.19	5.55	5.[illegible]5	2.80	3.79	1.50
RESPONSE: 02 AGE: 13 TEXT: Disagree																						
1972-73 P-VALUE	12.61	14.26	11.13	12.76	12.39	13.51	11.70	12.49	13.15	13.02	16.38	10.15	14.27	10.21	15.64	15.50	15.26	15.23	11.61	10.88	11.97	11.66
1972-73 SE OF P-VAL	1.06	2.75	2.51	1.51	1.50	1.19	1.39	1.21	2.09	2.51	2.26	2.61	1.93	1.13	2.04	3.63	3.30	5.15	2.62	1.83	1.50	1.84
1972-73 DELTA-P		1.65	-1.48	0.15	-0.22	0.90	-0.91	-0.12	0.54	0.41	3.77	-2.46	1.66	-2.40#	3.03	2.89	2.65	2.62	-1.00	-1.73	-0.64	-0.95
1972-73 SE OF DP		2.26	2.06	1.49	1.50	0.72	0.74	0.36	2.05	2.42	2.24	2.30	1.26	0.92	1.63	3.23	3.21	4.63	2.69	1.99	1.57	1.43
AGE: 17																						
1972-73 P-VALUE	10.03	9.55	10.46	11.03	8.94	9.53	10.55	10.06	9.72	10.38	14.51	14.63	11.97	6.56	13.55	8.29	8.58	8.78	12.16	11.93	7.35	10.56
1972-73 SE OF P-VAL	0.75	1.16	1.01	1.90	1.22	1.04	1.23	0.84	2.22	3.59	3.24	2.67	1.74	0.75	2.75	2.33	1.74	1.82	3.98	1.71	2.91	1.30
1972-73 DELTA-P		-0.48	0.43	1.00	-1.09	-0.50	0.52	0.03	-0.31	0.35	4.48	4.60	1.94	-3.47#	3.52	-1.74	-1.45	-1.25	2.13	1.90	-2.68	0.53
1972-73 SE OF DP		1.12	1.09	1.40	1.13	0.83	0.87	0.33	2.14	3.49	3.06	2.42	1.44	0.77	2.67	2.38	1.81	1.87	3.70	1.66	2.55	1.06
RESPONSE: 03 AGE: 13 TEXT: Neither agree nor disagree																						
1972-73 P-VALUE	16.56	14.87	16.12	15.42	19.80	15.14	18.01	16.72	13.83	19.45	21.69	20.87	13.40	15.58	20.41	17.75	16.16	15.33	14.96	18.27	14.61	17.48
1972-73 SE OF P-VAL	1.01	1.32	2.43	2.05	2.01	1.26	1.36	1.12	2.14	2.60	4.08	3.22	1.24	1.52	2.31	2.98	5.22	3.13	2.52	2.56	2.22	1.99
1972-73 DELTA-P		-1.69	-0.44	-1.14	3.24	-1.42	1.45	0.16	-2.73	2.89	5.13	4.31	-3.16#	-0.98	3.85	1.19	-0.40	-1.23	-1.60	1.71	-1.95	0.92
1972-73 SE OF DP		1.39	1.99	1.73	1.74	0.82	0.83	0.36	1.91	2.74	3.65	3.05	1.11	1.10	2.15	2.89	4.89	2.78	2.55	2.50	2.15	1.64
AGE: 17																						
1972-73 P-VALUE	17.91	18.30	16.95	19.89	15.88	16.18	19.72	17.97	19.18	13.52	16.56	17.67	18.29	16.66	25.61	20.01	19.85	19.04	19.63	20.76	19.40	13.97
1972-73 SE OF P-VAL	0.95	1.61	2.22	2.14	1.50	1.12	1.45	1.11	2.71	3.06	3.35	3.34	1.91	1.24	3.52	4.14	2.51	3.09	3.76	2.17	2.46	1.57
1972-73 DELTA-P		0.39	-0.96	1.98	-2.03	-1.73*	1.81*	0.06	1.27	-4.39	-1.35	-0.24	0.38	-1.25	7.70*	2.10	1.94	1.13	1.72	2.85	1.49	-3.94#
1972-73 SE OF DP		1.50	1.98	1.65	1.42	0.86	0.89	0.37	2.78	2.92	3.35	3.19	1.47	0.86	3.55	3.67	2.54	2.91	3.63	2.05	2.48	1.21

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

How often have you watched bees, squirrels, birds, or other animals to see what they eat or where they live: often, sometimes, or never?

● Often
○ Sometimes
○ Never

NAEP #: 302014-1

72-73 Report #: RB243
69-70 Report #: U686

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: B. Appreciate inquiry skills.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Individual

Age:	9
72-73 Package-Exercise:	10-01
69-70 Package-Exercise:	11-13
72-73 National P-val:	
RB243	32.79
69-70 National P-value:	
RB243	43.76

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 302014-1 RB243

How often have you watched bees, squirrels, birds, or other animals to see what they eat or where they live; often, sometimes, or never?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969-70 P-VALUE	0.07	0.24	0.07	0.00	0.00	0.13	0.01	0.01	0.51	0.00	0.00	0.00	0.02	0.00	0.28	0.00	0.92	0.00	0.00	0.00	0.00	0.04
CHANGE P-VALUE	-0.07	-0.24	-0.07	0.00	0.00	-0.13	-0.01	-0.01	-0.51	0.00	0.00	0.00	-0.02	0.00	-0.28	0.00	-0.92	0.00	0.00	0.00	0.00	-0.04
1972-73 SE OF P-VAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.06	0.24	0.07	0.00	0.00	0.12	0.01	0.02	0.52	0.00	0.00	0.00	0.03	0.00	0.26	0.00	0.95	0.00	0.00	0.00	0.00	0.04
SE OF CHANGE P-VALUE	0.06	0.24	0.07	0.00	0.00	0.12	0.01	0.02	0.52	0.00	0.00	0.00	0.03	0.00	0.26	0.00	0.95	0.00	0.00	0.00	0.00	0.04
1972-73 DELTA-P		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969-70 DELTA-P		0.17	0.00	-0.07	-0.07	0.06	-0.06	-0.06	0.44	-0.07	-0.07	-0.07	-0.05	-0.07	0.21	-0.07	0.85	-0.07	-0.07	-0.07	-0.07	-0.03
CHANGE DELTA-P		-0.17	0.00	0.07	-0.07	-0.06	0.06	0.06	-0.44	0.07	0.07	0.07	0.05	0.07	-0.21	0.07	-0.85	0.07	0.07	0.07	0.07	0.03
1972-73 SE OF DP		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1969-70 SE OF DP		0.18	0.08	0.06	0.06	0.06	0.06	0.06	0.46	0.06	0.06	0.06	0.06	0.06	0.20	0.06	0.89	0.06	0.06	0.06	0.06	0.07
SE OF CHANGE DELTA-P		0.18	0.08	0.06	0.06	0.06	0.06	0.06	0.46	0.06	0.06	0.06	0.06	0.06	0.20	0.06	0.89	0.06	0.06	0.06	0.06	0.07
RESPONSE: 01* AGE: 9 TEXT: Often																						
1972-73 P-VALUE	32.79	32.27	32.88	32.67	33.37	34.97	30.80	34.50	25.19	29.01	34.01	39.50	31.04	36.98	26.65	37.64	27.91	28.76	27.97	35.47	33.24	34.81
1969-70 P-VALUE	43.76	46.25	38.53	47.21	41.22	46.04	41.44	45.55	36.14	33.84	41.27	38.97	44.99	47.05	38.44	46.13	30.42	45.82	46.15	45.66	45.76	42.63
CHANGE P-VALUE	-10.97#	-13.98#	-5.65	-14.54#	-7.85	-11.07#	-10.64#	-11.05#	-10.95#	-4.83	-7.26	0.53	-13.95#	-10.07#	-11.79#	-8.49	-2.51	-17.06#	-18.18#	-10.19	-12.52*	-7.82*
1972-73 SE OF P-VAL	1.17	1.88	2.13	2.69	2.50	1.80	1.55	1.31	2.26	3.89	5.13	5.68	3.05	2.23	2.05	6.16	2.97	3.33	2.79	4.13	2.94	2.30
1969-70 SE OF P-VAL	1.61	2.21	2.37	3.63	3.65	2.04	2.08	1.80	3.64	4.92	8.03	5.35	3.29	1.99	2.66	6.36	3.75	4.05	3.42	3.61	5.14	2.25
SE OF CHANGE P-VALUE	1.99	2.90	3.19	4.52	4.42	2.72	2.59	2.23	4.28	6.27	9.53	7.80	4.49	2.99	3.36	8.85	4.78	5.24	4.41	5.49	5.92	3.22
1972-73 DELTA-P		-0.52	0.09	-0.12	0.58	2.18	-1.99	1.71#	-7.60#	-3.78	1.22	6.71	-1.75	4.19*	-6.14#	4.85	-4.88	-4.03	-4.82	2.68	0.45	2.02
1969-70 DELTA-P		2.49	-5.23*	3.45	-2.54	2.28	-2.32	1.79#	-7.62*	-9.92	-2.49	-4.79	1.23	3.29*	-5.32*	2.37	-13.34#	2.06	-2.39	1.90	2.00	-1.13
CHANGE DELTA-P		-3.01	5.32	-3.57	3.12	-0.10	0.33	-0.08	0.02	6.14	3.71	11.50	-2.98	0.90	-0.82	2.48	8.46	-6.09	-7.21	0.78	-1.55	3.15
1972-73 SE OF DP		1.77	1.90	2.19	2.15	1.25	1.16	0.50	2.07	3.89	5.07	5.72	2.75	1.70	1.93	5.91	2.83	3.25	2.49	3.96	2.93	1.93
1969-70 SE OF DP		2.23	2.46	2.81	3.06	1.31	1.31	0.60	3.32	5.07	8.10	4.86	2.43	1.50	2.40	5.70	3.82	4.15	3.27	3.50	4.23	1.82
SE OF CHANGE DELTA-P		2.85	3.11	3.56	3.74	1.81	1.75	0.78	3.91	6.39	9.56	7.51	3.67	2.27	3.08	8.21	4.75	5.27	4.11	5.29	5.15	2.65
RESPONSE: 02 AGE: 9 TEXT: Sometimes																						
1972-73 P-VALUE	53.77	53.92	54.86	55.90	50.15	51.71	55.65	53.47	58.27	47.62	45.17	51.61	54.04	54.26	54.75	47.38	51.73	61.19	56.34	51.04	54.10	53.03
1969-70 P-VALUE	53.14	50.46	57.93	50.61	54.59	50.65	55.68	51.89	59.16	58.71	54.89	58.68	52.11	51.87	54.66	48.07	62.67	53.12	49.78	50.29	52.91	54.95
CHANGE P-VALUE	0.63	2.36	-3.07	5.29	-4.44	1.06	-0.03	1.58	-0.89	-11.09	-9.72	-7.07	1.93	2.39	0.09	-0.69	-10.94*	8.07	6.56	0.75	1.19	-1.92
1972-73 SE OF P-VAL	1.24	1.51	2.74	2.89	2.42	1.84	1.48	1.42	2.62	3.98	5.66	5.49	2.60	2.33	1.93	6.62	3.54	4.45	3.28	4.09	2.91	2.27
1969-70 SE OF P-VAL	1.65	2.07	2.39	3.80	3.80	1.98	2.25	1.85	3.68	5.00	7.88	5.37	3.21	1.98	3.03	5.77	4.01	3.98	3.66	3.89	5.06	2.35
SE OF CHANGE P-VALUE	2.06	2.56	3.64	4.77	4.51	2.70	2.69	2.33	4.52	6.39	9.70	7.68	4.13	3.06	3.59	8.78	5.35	5.97	4.91	5.64	5.84	3.27
1972-73 DELTA-P		0.15	1.09	2.13	-3.62	-2.06	1.88	-0.30	4.50	-6.15	-8.60	-2.16	0.27	0.49	0.98	-6.39	-2.04	7.42	2.57	-2.73	0.33	-0.74
1969-70 DELTA-P		-2.18	4.79	-2.53	1.45	-2.49	2.54	-1.25*	6.02	5.57	1.75	5.54	-1.03	-1.27	1.52	-5.07	9.53*	-0.02	-3.36	-2.85	-0.23	1.81
CHANGE DELTA-P		2.33	-3.70	4.66	-5.07	0.43	-0.66	0.95	-1.52	-11.72	-10.35	-7.70	1.30	1.76	-0.54	-1.32	-11.57*	7.44	-5.93	0.12	0.56	-2.55
1972-73 SE OF DP		1.64	2.30	2.35	2.13	1.15	1.06	0.52	2.46	3.96	5.44	5.38	2.40	1.61	1.97	6.15	3.58	4.29	3.06	4.03	2.88	1.93
1969-70 SE OF DP		2.20	2.49	2.92	3.18	1.36	1.36	0.60	3.39	5.10	8.00	4.89	2.35	1.54	2.62	5.19	4.01	4.02	3.46	3.69	4.18	1.92
SE OF CHANGE DELTA-P		2.74	3.39	3.75	3.83	1.78	1.72	0.79	4.19	6.46	9.67	7.27	3.36	2.23	3.28	8.05	5.38	5.88	4.62	5.46	5.08	2.72

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302014-1 RB243

How often have you watched bees, squirrels, birds, or other animals to see what they eat or where they live; often, sometimes, or never?

RESPONSE: 03 AGE: 9 TEXT: Never

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	13.44	13.81	12.27	11.43	16.48	13.32	13.55	12.02	16.54	23.37	20.81	8.89	14.93	8.76	18.60	14.97	20.36	10.06	15.69	13.49	12.66	12.16
1969-70 P-VALUE	3.02	2.54	3.46	2.17	4.18	3.18	2.86	2.54	4.17	7.45	3.83	2.35	2.87	1.08	6.61	5.80	5.98	1.06	4.06	4.05	1.32	2.38
CHANGE P-VALUE	10.42#	11.27#	8.81#	9.26#	12.30#	10.14#	10.69#	9.48#	12.37#	15.92#	16.98#	6.54*	12.06#	7.68#	11.99#	9.17*	14.38#	9.00#	11.63#	9.44#	11.34#	9.78#
1972-73 SE OF P-VAL	0.75	1.46	1.58	1.33	1.75	1.06	1.12	0.82	1.73	3.29	5.18	3.03	1.92	0.93	1.86	3.42	3.33	2.20	1.99	2.19	1.40	0.99
1969-70 SE OF P-VAL	0.47	1.03	1.12	0.90	0.79	0.75	0.64	0.52	1.31	2.14	2.23	1.06	0.91	0.31	1.56	2.03	1.89	0.74	1.72	1.56	0.58	0.90
SE OF CHANGE P-VALUE	0.89	1.79	1.94	1.61	1.92	1.30	1.29	0.97	2.17	3.92	5.64	3.21	2.12	0.98	2.43	3.98	3.83	2.32	2.63	2.69	1.52	1.34
1972-73 DELTA-P		0.37	-1.17	-2.01	3.04*	-0.12	0.11	-1.42#	3.10	9.93#	7.37	-4.55	1.49	-4.68#	5.16#	1.53	6.92*	-3.38	2.25	0.05	-0.78	-1.28
1969-70 DELTA-P		-0.48	0.44	-0.85	1.16	0.16	-0.16	-0.48*	1.15	4.43*	0.81	-0.67	-0.15	-1.94#	3.59#	2.78	2.96	-1.96*	1.04	1.03	-1.70*	-0.64
CHANGE DELTA-P		0.85	-1.61	-1.16	1.88	-0.28	0.27	-0.94	1.95	5.50	6.56	-3.88	1.64	-2.74#	1.57	-1.25	3.96	-1.42	1.21	-0.98	0.92	-0.64
1972-73 SE OF DP		1.27	1.34	1.19	1.51	0.83	0.76	0.43	1.64	3.09	4.89	3.00	1.73	0.89	1.62	3.17	3.12	2.12	1.99	1.95	1.32	0.93
1969-70 SE OF DP		0.87	1.00	0.74	0.74	0.51	0.51	0.23	1.26	2.05	2.18	1.10	0.81	0.48	1.23	1.95	1.82	0.80	1.58	1.45	0.69	0.70
SE OF CHANGE DELTA-P		1.54	1.67	1.40	1.68	0.97	0.92	0.49	2.07	3.71	5.35	3.20	1.91	1.01	2.03	3.72	3.61	2.27	2.54	2.43	1.49	1.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Planting seeds and finding out how fast they grow could be a science experiment.

● I believe this statement.
○ I don't believe this statement.

○ I don't know.

NAEP #: 302015-2

72-73 Report #: RB244
69-70 Report #: U771

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: B. Appreciate inquiry skills.
69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 13
72-73 Package-Exercise: 02-20
69-70 Package-Exercise: 09-15

72-73 National P-val: RB244 93.46
69-70 National P-value: RB244 93.39

Timing: (in seconds)
Stimulus: 10
Response: 10
I don't know: 4
Pause: 6
RB244 Exercise total: 30

EXERCISE: 302015-2 RB244

Planting seeds and finding out how fast they grow could be a science experiment.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.22	0.00	0.17	0.00	0.73	0.37	0.08	0.27	0.00	0.00	0.00	0.00	0.00	0.44	0.24	0.00	0.00	0.00	0.00	1.20	0.00	0.12
1969-70 P-VALUE	0.14	0.48	0.00	0.00	0.06	0.24	0.04	0.13	0.10	0.38	0.00	0.00	0.00	0.03	1.31	0.00	0.26	0.00	0.00	0.12	0.00	0.33
CHANGE P-VALUE	0.08	-0.48	0.17	0.00	0.67	0.13	0.04	0.14	-0.10	-0.38	0.00	0.00	0.00	0.41	-1.07	0.00	-0.26	0.00	0.00	1.08	0.00	-0.21
1972-73 SE OF P-VAL	0.18	0.00	0.17	0.00	0.72	0.36	0.07	0.23	0.00	0.00	0.00	0.00	0.00	0.44	0.23	0.00	0.00	0.00	0.00	1.17	0.00	0.12
1969-70 SE OF P-VAL	0.11	0.39	0.00	0.00	0.06	0.21	0.04	0.13	0.10	0.38	0.00	0.00	0.00	0.04	1.08	0.00	0.26	0.00	0.00	0.12	0.00	0.32
SE OF CHANGE P-VALUE	0.21	0.39	0.17	0.00	0.72	0.42	0.08	0.26	0.10	0.38	0.00	0.00	0.00	0.44	1.10	0.00	0.26	0.00	0.00	1.18	0.00	0.34
1972-73 DELTA-P		-0.22	-0.05	-0.22	0.51	0.15	-0.14	0.05	-0.22	-0.22	-0.22	-0.22	-0.22	0.22	0.02	-0.22	-0.22	-0.22	-0.22	0.98	-0.22	-0.10
1969-70 DELTA-P		0.34	-0.14	-0.14	-0.08	0.10	-0.10	-0.01	-0.04	0.24	-0.14	-0.14	-0.14	-0.11	1.17	-0.14	0.12	-0.14	-0.14	-0.02	-0.14	0.19
CHANGE DELTA-P		-0.56	0.09	-0.08	0.59	0.05	-0.04	0.06	-0.18	-0.46	-0.08	-0.08	-0.08	0.33	-1.15	-0.08	-0.34	-0.08	-0.08	1.00	-0.08	-0.29
1972-73 SE OF DP		0.18	0.22	0.18	0.54	0.19	0.18	0.04	0.18	0.18	0.18	0.18	0.18	0.26	0.27	0.18	0.18	0.18	0.19	0.99	0.18	0.20
1969-70 SE OF DP		0.29	0.11	0.11	0.11	0.11	0.11	0.04	0.13	0.37	0.11	0.11	0.11	0.11	0.98	0.11	0.26	0.11	0.11	0.15	0.11	0.22
SE OF CHANGE DELTA-P		0.34	0.25	0.21	0.55	0.22	0.21	0.06	0.22	0.41	0.21	0.21	0.21	0.28	1.02	0.21	0.32	0.21	0.21	1.00	0.21	0.30

RESPONSE: 01* AGE: 13 TEXT: I believe this statement.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	93.46	93.71	91.51	95.29	92.89	92.23	94.67	94.79	87.25	89.33	87.15	95.19	93.63	95.16	90.40	93.54	87.57	95.44	93.72	93.15	92.61	94.31
1969-70 P-VALUE	93.39	92.88	91.08	94.92	94.38	92.59	94.49	94.80	86.78	91.25	93.34	90.12	93.35	95.34	89.12	91.81	87.65	97.87	92.46	94.18	95.69	93.23
CHANGE P-VALUE	0.07	0.83	0.43	0.37	-1.49	-0.36	0.18	-0.01	0.47	-1.92	-6.19*	5.07	0.28	-0.18	1.28	1.73	-0.08	-2.43	1.26	-1.03	-3.08	1.08
1972-73 SE OF P-VAL	0.58	1.27	1.60	0.76	1.03	0.94	0.63	0.69	1.73	2.92	2.18	1.80	0.92	0.66	1.67	1.70	2.16	1.13	1.11	1.58	1.55	1.09
1969-70 SE OF P-VAL	0.66	1.09	1.79	1.15	1.05	0.93	0.76	0.65	1.54	2.15	2.19	2.60	0.98	0.79	2.63	2.04	1.88	0.98	2.56	1.81	0.99	1.12
SE OF CHANGE P-VALUE	0.88	1.67	2.40	1.38	1.47	1.32	0.99	0.95	2.32	3.63	3.09	3.16	1.34	1.03	3.12	2.66	2.86	1.50	2.79	2.40	1.84	1.56
1972-73 DELTA-P		0.25	-1.95	1.83*	-0.57	-1.23*	1.21*	1.33#	-6.21#	-4.13	-6.31#	1.73	0.17	1.70#	-3.06*	0.08	-5.89#	1.98	0.26	-0.31	-0.85	0.85
1969-70 DELTA-P		-0.51	-2.31	1.53	0.99	-0.80	1.10*	1.41#	-6.61#	-2.14	-0.05	-3.27	-0.04	1.95#	-4.27	-1.58	-5.74#	4.48#	-0.93	0.79	2.30*	-0.16
CHANGE DELTA-P		0.76	0.36	0.30	-1.56	-0.43	0.11	-0.08	0.40	-1.99	-6.26*	5.00	0.21	-0.25	1.21	1.66	-0.15	-2.50	1.19	-1.10	-3.15	1.01
1972-73 SE OF DP		1.08	1.32	0.76	0.93	0.55	0.53	0.36	1.70	2.88	1.99	1.73	0.73	0.62	1.38	1.61	2.11	1.23	1.17	1.43	1.39	0.78
1969-70 SE OF DP		1.00	1.46	1.03	0.98	0.65	0.53	0.41	1.36	2.13	2.26	2.33	0.78	0.71	2.41	1.90	1.86	1.11	2.36	1.69	1.02	0.88
SE OF CHANGE DELTA-P		1.47	1.97	1.28	1.35	0.85	0.75	0.55	2.19	3.58	3.01	2.90	1.07	0.94	2.78	2.49	2.81	1.66	2.63	2.21	1.72	1.16

RESPONSE: 02 AGE: 13 TEXT: I don't believe this statement.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.93	4.87	7.20	3.09	5.03	5.83	4.05	3.85	9.89	8.50	9.94	4.81	[illegible].15	3.12	7.26	5.87	8.26	4.15	4.56	3.28	5.07	5.09
1969-70 P-VALUE	5.40	5.08	8.27	3.95	4.70	5.69	4.90	3.92	12.50	7.17	5.01	8.27	5.76	4.39	5.24	7.43	9.60	1.82	7.53	4.33	3.27	5.14
CHANGE P-VALUE	-0.47	-0.21	-1.07	-0.86	0.33	0.14	-0.85	-0.07	-2.61	1.33	4.93	-3.46	-0.61	-1.27	2.02	-1.56	-1.34	2.33	-2.97	-1.05	1.80	-0.05
1972-73 SE OF P-VAL	0.51	0.99	1.61	0.56	0.85	0.85	0.52	0.58	1.44	2.18	1.90	1.80	0.85	0.48	1.34	1.63	1.36	1.04	1.25	1.10	1.61	0.94
1969-70 SE OF P-VAL	0.60	1.12	1.66	0.88	0.91	0.76	0.74	0.55	1.58	1.94	1.76	2.62	0.94	0.76	1.61	2.09	1.99	0.95	2.56	1.27	0.79	0.94
SE OF CHANGE P-VALUE	0.79	1.49	2.31	1.04	1.25	1.14	0.90	0.80	2.14	2.92	2.59	3.18	1.27	0.90	2.25	2.65	2.41	1.41	2.85	1.68	1.79	1.33
1972-73 DELTA-P		-0.06	2.27	-1.84#	0.10	0.90	-0.88	-1.08#	4.96#	3.57	5.01#	-0.12	0.22	-1.81#	2.33*	0.94	3.33*	-0.78	-0.37	-1.65	0.14	0.16
1969-70 DELTA-P		-0.32	2.87*	-1.45	-0.70	0.29	-0.50	-1.48#	7.10#	1.77	-0.39	2.87	0.36	-1.01	-0.16	2.03	4.20*	-3.58#	2.13	-1.07	-2.13*	-0.26
CHANGE DELTA-P		0.26	-0.60	-0.39	0.80	0.61	-0.38	0.40	-2.14	1.80	5.40*	-2.99	-0.14	-0.80	2.49	-1.09	-0.87	2.80	-2.50	-0.58	2.27	0.42
1972-73 SE OF DP		0.87	1.30	0.62	0.79	0.49	0.47	0.27	1.39	2.13	1.75	1.64	0.65	0.49	1.12	1.52	1.34	1.09	1.23	1.05	1.44	0.69
1969-70 SE OF DP		0.98	1.34	0.86	0.87	0.59	0.44	0.42	1.36	1.89	1.84	2.34	0.73	0.68	1.71	1.92	1.90	1.07	2.33	1.24	0.88	0.76
SE OF CHANGE DELTA-P		1.31	1.87	1.06	1.18	0.77	0.64	0.50	1.94	2.85	2.54	2.86	0.98	0.84	2.04	2.45	2.32	1.53	2.63	1.62	1.69	1.03

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302015-2 BB244

Planting seeds and finding out how fast they grow could be a science experiment.

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.39	1.41	1.12	1.62	1.35	1.57	1.21	1.09	2.86	2.16	2.91	0.00	1.23	1.28	2.10	0.59	4.17	0.41	1.71	2.37	2.32	0.48
1969-70 P-VALUE	1.06	1.55	0.64	1.12	0.85	1.47	0.56	1.13	0.62	1.18	1.64	1.60	0.89	0.23	4.32	0.76	2.48	0.30	0.00	1.36	1.03	1.30
CHANGE P-VALUE	0.33	-0.14	0.48	0.50	0.50	0.10	0.65	-0.04	2.24*	0.98	1.27	-1.60#	0.34	1.05#	-2.22	-0.17	1.69	0.11	1.71*	1.01	1.29	-0.82
1972-73 SE OF P-VAL	0.28	0.61	0.42	0.53	0.65	0.39	0.37	0.29	1.02	1.38	1.18	0.00	0.47	0.37	0.78	0.42	1.75	0.39	0.74	0.94	0.94	0.20
1969-70 SE OF P-VAL	0.23	0.47	0.36	0.56	0.38	0.37	0.24	0.28	0.35	0.74	1.25	0.53	0.38	0.13	1.70	0.59	0.91	0.31	0.00	0.85	0.62	0.42
SE OF CHANGE P-VALUE	0.36	0.77	0.55	0.77	0.75	0.54	0.44	0.40	1.08	1.57	1.72	0.53	0.60	0.39	1.87	0.72	1.97	0.50	0.74	1.27	1.13	0.47
1972-73 DELTA-P		0.02	-0.27	0.23	-0.04	0.18	-0.18	-0.30	1.47	0.77	[illegible]	-1.39#	-0.16	-0.11	0.71	-0.80	2.78	-0.98*	0.32	0.98	0.93	-0.91#
1969-70 DELTA-P		0.49	-0.42	0.06	-0.21	0.41	-0.50*	0.07	-0.44	0.12	0.56	[illegible]	-0.17	-0.83#	3.26*	[illegible]	1.42	-0.76*	-1.06#	0.30	-0.03	0.24
CHANGE DELTA-P		-0.47	0.15	0.17	0.17	-0.23	0.32	-0.37	1.91	0.65	0.96	-1.93#	0.01	0.72*	-2.55	-0.50	1.36	-0.22	1.38	0.68	0.96	-1.15#
1972-73 SE OF DP		0.52	0.42	0.45	0.54	0.26	0.26	0.18	0.92	1.33	1.06	0.28	0.40	0.28	0.68	[illegible]	1.65	0.45	0.68	0.80	0.83	0.27
1969-70 SE OF DP		0.40	0.35	0.45	0.35	0.23	0.23	0.09	0.37	0.73	1.21	0.52	0.31	0.23	1.57	[illegible]	0.85	0.36	0.23	0.78	0.56	0.34
SE OF CHANGE DELTA-P		0.66	0.55	0.64	0.64	0.35	0.35	0.20	0.99	1.52	1.61	0.59	0.51	0.36	1.71	[illegible]	1.86	0.58	0.72	1.12	1.00	0.43

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

The next set of exercises will be about your opinions. These need to be answered in a new way. You will put a check mark (✓) in one of the spaces between two opposite ways people might feel about something. For example, an exercise may say

Cooked oatmeal is

crispy ____ : ____ : ____ : ____ : ____ : ____ : ____ mushy
harmful ____ : ____ : ____ : ____ : ____ : ____ : ____ beneficial
horrible ____ : ____ : ____ : ____ : ____ : ____ : ____ delicious

Cooked oatmeal is a topic most people have some opinions about. You would look at each pair of opposite words and decide how far between them you want to put your check mark. Suppose you have just marked the first part this way:

crispy ____ : ____ : ____ : ____ : ____ : ____ : __✓__ mushy

This would tell us that you think cooked oatmeal is as mushy as you can think of anything being. It is "all the way mushy."

Suppose you marked the second pair of opposites this way:

harmful ____ : ____ : ____ : ____ : ____ : __✓__ : ____ beneficial

This would tell us that you believe cooked oatmeal is very good for you but not quite as nutritious as a few things you can think of.

(Continued)

Suppose you marked the last pair of opposites this way:

horrible ____ : ____ : ____ : __✓__ : ____ : ____ : ____ delicious

This would mean you are right in the middle. You do not love oatmeal and you do not hate it. You feel "so-so" about it.

The next set of exercises is like the example you just did. For each topic on this and the following page there are two pairs of opposite words. For each pair of words, put your check mark (✓) in the space where you stand in your feeling about the topic. There is no "right" answer. You are simply to show YOUR personal opinions on the topics.

Technology is

A. harmful ____ : ____ : ____ : ____ : ____ : ____ : ____ beneficial
B. boring ____ : ____ : ____ : ____ : ____ : ____ : ____ interesting

Science is

C. harmful ____ : ____ : ____ : ____ : ____ : ____ : ____ beneficial
D. boring ____ : ____ : ____ : ____ : ____ : ____ : ____ interesting

(Continued)

Studying science in school is

E. hard _____ : _____ : _____ : _____ : _____ : _____ : _____ easy

F. boring _____ : _____ : _____ : _____ : _____ : _____ : _____ interesting

Scientific explanations of the world are

G. harmful _____ : _____ : _____ : _____ : _____ : _____ : _____ beneficial

H. boring _____ : _____ : _____ : _____ : _____ : _____ : _____ interesting

For me to become a scientist would be

I. harmful _____ : _____ : _____ : _____ : _____ : _____ : _____ beneficial

J. boring _____ : _____ : _____ : _____ : _____ : _____ : _____ interesting

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NAEP #:          303009-234

72-73 Report #: RU271

72-73 Obj:      III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF
                     SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF
                     SCIENCE, AND THE PERSONAL AND SOCIAL
                     RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR
                     SOCIETY.
72-73 Subobj:     C. Appreciate the scientific enterprise.

Science Type:        Unclassified

Exercise Type:         Multiple part multiple choice
Scoring Type:          Semi-professional
Administration Mode:   Group

Age:                                     13       17IS     Adult
72-73 Package-Exercise:                 06-24     06-13    02-31

72-73 National P-val:
        RU271                            ***       ***       ***
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Timing: (in seconds)

RU271	Introduction:	124	117	119
	Stimulus:	7	6	6
	Response:	9	11	*
RU271A	Part total:	16	17	*
	Stimulus:	7	5	6
	Response:	8	10	*
RU271B	Part total:	15	15	*
	Stimulus:	7	6	6
	Response:	8	10	*
RU271C	Part total:	15	16	*
	Stimulus:	7	5	5
	Response:	8	10	*
	Turn page:	(6)	(6)	(6)
RU271D	Part total:	15**	15**	*
	Stimulus:	6	5	5
	Response:	8	10	*
RU271E	Part total:	14	15	*
	Stimulus:	8	7	7
	Response:	8	10	*
RU271F	Part total:	16	17	*
	Stimulus:	8	7	7
	Response:	9	9	*
RU271G	Part total:	17	16	*
	Stimulus:	9	7	7
	Response:	8	10	*
RU271H	Part total:	17	17	*
	Stimulus:	10	7	7
	Response:	8	10	*
RU271I	Part total:	18	17	*
	Stimulus:	10	7	6
	Response:	9	10	*
RU271J	Part total:	19	17	*
RU271	Exercise total:	286	279	*

*Time not limited by paced tape.

**Time to turn page is not included in total times.

***Acceptable/Unacceptable data is not available at this time.

Exercise 303009-2,3,4; RU 271

Instructions to Respondent:

The next set of exercises will be about your opinions. These need to be answered in a new way. You will put a check mark (✓) in one of the spaces between two opposite ways people might feel about something.

The next set of exercises is like the example you just did. For each topic on this and the following page there are two pairs of opposite words. For each pair of words, put your check mark (✓) in the space where you stand in your feeling about the topic. There is no "right" answer. You are simply to show YOUR personal opinions on the topics.

Instructions to Scorers:

Parts A-J use as a guide:

A. harmful 1: 2: 3: 4: 5: 6: 7 beneficial

Grid in the number of the space checked. If one word is circled, grid the adjacent end number. If two checks, average the two (round off toward center).

Grid 0 if No Response

Note: Acceptable/unacceptable designations have not been made.

EXERCISE: 303009-234 R0271

Show your personal opinion about various science topics by marking a seven position scale.

Part A. Technology is harmful/beneficial.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	5.66	6.01	4.80	7.66	3.81	5.94	5.40	4.64	11.97	7.88	11.77	7.05	5.43	3.31	9.46	5.30	9.68	4.88	7.86	3.85	7.82	4.47
1972-73 SE OF P-VAL	0.65	1.54	0.92	1.57	0.80	0.90	1.04	0.59	2.00	2.20	4.31	1.96	1.10	0.70	1.65	0.95	2.16	1.57	2.27	1.47	2.37	1.03
1972-73 DELTA-P		0.35	-0.86	1.98	-1.85*	0.28	-0.26	-1.02#	6.31#	2.22	6.11	1.39	-0.23	-2.35#	3.80#	-0.36	4.02	-0.78	2.20	-1.81	2.16	-1.19
1972-73 SE OF DP		1.27	0.94	1.22	0.86	0.76	0.70	0.29	1.68	2.07	4.09	1.69	0.80	0.80	1.47	1.02	2.04	1.47	2.20	1.45	2.13	0.80
AGE: 17																						
1972-73 P-VALUE	2.84	4.39	4.19	1.67	1.32	2.08	3.53	1.51	11.35	7.39	3.70	3.82	1.72	1.35	19.53	2.21	7.01	1.57	5.67	3.50	1.85	2.03
1972-73 SE OF P-VAL	0.49	0.64	1.43	0.63	0.59	0.46	0.84	0.31	3.86	2.06	1.49	1.53	0.80	0.38	4.48	1.59	2.19	1.02	1.56	2.12	0.68	0.49
1972-73 DELTA-P		1.55*	1.35	-1.17	-1.52*	-0.76	0.69	-1.33#	8.51*	4.55*	0.86	0.98	-1.12*	-1.49#	16.69#	-0.63	4.17	-1.27	2.83	0.66	-0.99	-0.81
1972-73 SE OF DP		0.66	1.55	0.64	0.66	0.51	0.46	0.43	3.48	2.11	1.53	1.52	0.46	0.55	4.12	1.51	2.11	1.04	1.54	1.76	0.77	0.56
AGE: Ad																						
1972-73 P-VALUE	1.29	1.72	1.52	0.52	1.56	1.74	0.87	0.70	3.25	6.58	1.17	0.53	0.77	1.16	12.11	1.13	1.20	0.41	5.69	1.87	0.36	0.77
1972-73 SE OF P-VAL	0.39	0.69	1.05	0.51	0.86	0.64	0.36	0.30	1.79	3.50	0.64	0.37	0.69	0.62	5.79	0.57	0.71	0.41	2.61	1.85	0.35	0.49
1972-73 DELTA-P		0.43	0.23	-0.77	0.27	0.45	-0.42	-0.59*	1.96	5.29	-0.12	-0.76	-0.52	-0.13	10.82	-0.16	-0.09	-0.88	4.40	0.58	-0.93	-0.52
1972-73 SE OF DP		0.62	0.88	0.51	0.71	0.36	0.34	0.27	1.62	3.32	0.55	0.54	0.57	0.56	5.61	0.71	0.72	0.51	2.39	1.67	0.49	0.47
RESPONSE: 01 AGE: 13 TEXT: Scale Score 1. (Harmful)																						
1972-73 P-VALUE	2.64	1.77	3.58	2.28	3.05	3.57	1.78	2.12	5.96	3.65	2.18	3.42	2.98	1.44	4.99	2.91	3.67	0.47	4.16	3.27	4.27	1.93
1972-73 SE OF P-VAL	0.39	0.52	1.05	0.75	0.83	0.65	0.44	0.37	1.53	1.78	1.02	1.64	0.69	0.42	1.36	1.19	1.30	0.36	1.85	1.25	1.24	0.62
1972-73 DELTA-P		-0.87	0.94	-0.36	0.41	0.93*	-0.86*	-0.52*	3.32*	1.01	-0.46	0.78	0.34	-1.20#	2.35*	0.27	1.03	-2.17#	1.52	0.63	1.63	-0.71
1972-73 SE OF DP		0.55	0.88	0.63	0.71	0.40	0.37	0.22	1.36	1.72	1.01	1.58	0.55	0.43	1.16	1.13	1.29	0.49	1.70	1.13	1.18	0.53
AGE: 17																						
1972-73 P-VALUE	0.58	0.63	0.63	0.26	0.87	0.69	0.48	0.38	1.94	1.14	0.93	0.59	0.26	0.55	2.27	1.14	0.44	0.00	1.61	0.65	1.02	0.24
1972-73 SE OF P-VAL	0.20	0.30	0.44	0.27	0.61	0.35	0.23	0.21	1.06	0.92	0.70	0.37	0.20	0.29	1.55	0.67	0.44	0.00	0.83	0.65	0.77	0.13
1972-73 DELTA-P		0.05	0.05	-0.32	0.29	0.11	-0.10	-0.20	1.36	0.56	0.35	0.01	-0.32*	-0.03	1.69	0.56	-0.14	-0.58#	1.03	0.07	0.44	-0.34
1972-73 SE OF DP		0.29	0.40	0.27	0.49	0.22	0.20	0.13	0.98	0.89	0.69	0.34	0.16	0.19	1.47	0.64	0.34	0.20	0.79	0.51	0.69	0.19
AGE: Ad																						
1972-73 P-VALUE	0.54	0.89	0.47	0.39	0.43	0.40	0.67	0.32	1.89	1.37	0.97	0.73	0.13	0.00	4.37	0.21	0.88	0.00	1.21	0.46	0.00	0.74
1972-73 SE OF P-VAL	0.19	0.52	0.31	0.29	0.34	0.24	0.28	0.16	1.15	0.99	0.50	0.51	0.12	0.00	2.94	0.20	0.68	0.00	1.18	0.47	0.00	0.36
1972-73 DELTA-P		0.35	-0.07	-0.15	-0.11	-0.14	0.13	-0.22	1.35	0.83	0.43	0.19	-0.41*	-0.54#	3.83	-0.33	0.34	-0.54#	0.67	-0.08	-0.54#	0.20
1972-73 SE OF DP		0.42	0.30	0.27	0.30	0.19	0.18	0.14	1.05	0.96	0.40	0.45	0.20	0.19	2.85	0.26	0.65	0.19	1.09	0.45	0.19	0.25
RESPONSE: 02 AGE: 13 TEXT: Scale Score 2.																						
1972-73 P-VALUE	0.57	0.22	0.53	0.32	1.25	0.50	0.63	0.46	1.57	0.26	0.00	2.55	0.26	0.40	0.84	0.55	0.70	0.63	0.25	0.42	0.84	0.55
1972-73 SE OF P-VAL	0.14	0.13	0.19	0.19	0.45	0.18	0.23	0.16	0.59	0.27	0.00	1.37	0.15	0.18	0.47	0.40	0.61	0.37	0.25	0.40	0.50	0.26
1972-73 DELTA-P		-0.35*	-0.04	-0.25	0.68	-0.07	0.06	-0.11	1.00	-0.31	-0.57#	1.98	-0.31	-0.17	0.27	-0.02	0.13	0.06	-0.32	-0.15	0.27	-0.02
1972-73 SE OF DP		0.17	0.20	0.19	0.35	0.16	0.15	0.08	0.56	0.28	0.14	1.27	0.18	0.19	0.45	0.39	0.57	0.34	0.26	0.39	0.45	0.23
AGE: 17																						
1972-73 P-VALUE	0.50	0.41	0.10	0.66	0.75	0.85	0.18	0.54	0.20	0.47	0.00	0.00	0.91	0.29	1.59	0.00	0.38	0.73	0.30	1.34	0.76	0.11
1972-73 SE OF P-VAL	0.21	0.29	0.10	0.58	0.40	0.41	0.12	0.25	0.19	0.44	0.00	0.00	0.59	0.18	1.17	0.00	0.37	0.56	0.31	0.99	0.56	0.08
1972-73 DELTA-P		-0.09	-0.40	0.16	0.25	0.35	-0.32	0.04	-0.30	-0.03	-0.50*	-0.50*	0.41	-0.21	1.09	-0.50*	-0.12	0.23	-0.20	0.84	0.26	-0.39
1972-73 SE OF DP		0.29	0.22	0.43	0.36	0.23	0.21	0.05	0.27	0.46	0.21	0.21	0.42	0.21	1.13	0.21	0.40	0.52	0.35	0.82	0.53	0.21
AGE: Ad																						
1972-73 P-VALUE	0.34	0.64	0.23	0.00	0.53	0.23	0.44	0.24	0.47	1.65	0.40	0.00	0.28	0.45	1.32	0.00	0.00	0.85	0.00	0.00	0.43	0.46
1972-73 SE OF P-VAL	0.13	0.40	0.23	0.00	0.26	0.14	0.23	0.13	0.47	0.87	0.28	0.00	0.20	0.36	1.32	0.00	0.00	0.70	0.00	0.00	0.43	0.21
1972-73 DELTA-P		0.30	-0.11	-0.34#	0.19	-0.11	0.10	-0.10	0.13	1.31	0.06	-0.34#	-0.06	0.11	0.98	-0.34#	-0.34#	0.51	-0.34#	-0.34#	0.09	0.12
1972-73 SE OF DP		0.31	0.21	0.13	0.22	0.15	0.14	0.07	0.44	0.83	0.25	0.13	0.17	0.29	1.31	0.13	0.13	0.62	0.13	0.13	0.40	[illegible]
RESPONSE: 03 AGE: 13 TEXT: Scale Score 3.																						
1972-73 P-VALUE	1.81	1.39	1.94	2.28	1.56	2.59	1.08	1.59	2.19	4.05	2.22	2.00	1.91	1.66	1.74	3.79	1.80	0.87	1.89	1.55	1.97	1.61
1972-73 SE OF P-VAL	0.33	0.49	0.52	0.88	0.54	0.58	0.32	0.36	0.77	1.53	0.96	1.15	0.55	0.56	0.78	2.47	1.09	0.76	0.93	0.80	0.76	0.42
1972-73 DELTA-P		-0.42	0.13	0.47	-0.25	0.78*	-0.73*	-0.22	0.38	2.24	0.41	0.19	0.10	-0.15	-0.07	1.98	-0.01	-0.94	0.08	-0.26	0.16	-0.20
1972-73 SE OF DP		0.49	0.51	0.66	0.50	0.34	0.32	0.15	0.77	1.45	0.93	1.11	0.49	0.39	0.73	2.20	1.04	0.73	0.90	0.76	0.72	0.49

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part A. Technology is harmful/beneficial.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03 AGE: 17 TEXT: Scale Score 3.																						
1972-73 P-VALUE	1.15	1.70	0.16	1.46	0.98	1.49	0.84	1.22	0.54	1.20	1.36	0.82	1.75	0.91	0.00	2.04	0.00	1.73	0.32	1.47	0.50	1.19
1972-73 SE OF P-VAL	0.26	0.62	0.16	0.60	0.40	0.42	0.28	0.30	0.39	0.73	0.75	0.48	0.60	0.30	0.00	0.94	0.00	0.82	0.31	0.90	0.35	0.43
1972-73 DELTA-P		0.55	-0.99#	0.31	-0.17	0.34	-0.31	0.07	-0.61	0.05	0.21	-0.33	0.60	-0.24	-1.15#	0.89	-1.15#	0.58	-0.8[illegible]*	0.32	-0.65	0.04
1972-73 SE OF DP		0.50	0.29	0.47	0.39	0.26	0.23	0.07	0.43	0.73	0.69	0.50	0.44	0.25	0.26	0.88	0.26	0.75	0.[illegible]0	0.77	0.41	0.36
AGE: Ad																						
1972-73 P-VALUE	1.00	0.76	1.42	0.95	0.93	1.19	0.82	0.98	0.83	1.55	0.80	1.51	1.00	0.99	0.00	0.46	0.00	1.82	0.84	1.07	1.17	1.03
1972-73 SE OF P-VAL	0.20	0.36	0.37	0.34	0.48	0.34	0.26	0.23	0.44	1.24	0.28	0.73	0.36	0.52	0.00	0.41	0.00	0.71	0.82	0.61	0.72	0.25
1972-73 DELTA-P		-0.24	0.42	-0.05	-0.07	0.19	-0.18	-0.02	-0.17	0.55	-0.20	0.51	0.00	-0.01	-1.00#	-0.54	-1.00#	0.82	-0.16	0.07	0.17	0.03
1972-73 SE OF DP		0.33	0.34	0.30	0.39	0.24	0.22	0.09	0.43	1.22	0.30	0.67	[illegible]	0.43	0.20	0.40	0.20	0.64	0.77	0.57	0.65	0.20
RESPONSE: 04 AGE: 13 TEXT: Scale Score 4. (Neither harmful nor beneficial)																						
1972-73 P-VALUE	18.22	17.93	15.89	17.36	21.62	15.91	20.36	18.04	18.32	20.50	17.91	22.11	18.39	16.37	21.00	13.80	19.18	16.52	19.71	23.17	18.69	17.55
1972-73 SE OF P-VAL	1.01	1.29	2.03	2.44	2.05	1.44	1.44	1.12	2.51	3.73	4.52	3.38	1.56	1.27	2.26	4.08	2.80	2.40	2.12	2.93	2.34	1.63
1972-73 DELTA-P		-0.29	-2.33	-0.86	3.40	-2.31*	2.14*	-0.18	0.10	2.28	-0.31	3.89	0.17	-1.85	2.78	-4.42	0.96	-1.70	1.49	4.95	0.47	-0.67
1972-73 SE OF DP		1.38	1.82	1.89	1.80	1.07	0.98	0.39	2.35	3.67	4.19	3.28	1.10	1.09	1.90	3.70	2.71	2.27	2.13	2.78	2.13	1.29
AGE: 17																						
1972-73 P-VALUE	11.80	12.16	9.55	11.79	13.34	10.38	13.09	11.43	12.38	16.30	15.63	16.56	11.54	10.0[illegible]	14.36	10.15	10.18	7.96	10.43	12.59	14.57	12.92
1972-73 SE OF P-VAL	0.73	1.65	1.11	1.06	1.95	0.98	1.20	0.77	2.01	3.39	2.48	2.74	1.33	1.0[illegible]	2.75	2.39	1.53	2.35	2.66	1.77	2.08	1.17
1972-73 DELTA-P		0.36	-2.25	-0.01	1.54	-1.42	1.29	-0.37	0.58	4.50	3.83	4.76	-0.26	-1.7[illegible]*	2.56	-1.65	-1.62	-3.84	-1.37	0.79	2.77	1.12
1972-73 SE OF DP		1.33	1.14	1.01	1.62	0.83	0.78	0.27	1.92	3.21	2.58	2.57	1.00	0.7[illegible]	2.63	2.40	1.56	2.11	2.46	1.56	1.98	1.03
AGE: Ad																						
1972-73 P-VALUE	9.08	9.96	8.94	9.45	7.97	7.09	10.93	8.90	12.25	5.92	10.13	8.57	6.51	10.19	20.19	8.09	11.13	7.25	8.21	7.38	7.30	10.63
1972-73 SE OF P-VAL	0.77	1.04	1.68	1.66	1.58	0.87	1.06	0.83	3.25	1.86	1.74	1.74	1.14	1.24	5.63	1.83	3.17	1.47	2.00	2.34	1.59	1.45
1972-73 DELTA-P		0.88	-0.14	0.37	-1.11	-1.99#	1.85#	-0.18	3.17	-3.16	1.05	-0.51	-2.57#	1.11	11.11#	-0.99	2.05	-1.83	-0.87	-1.70	-1.78	1.55
1972-73 SE OF DP		1.07	1.49	1.32	1.34	0.59	0.56	0.37	3.01	1.95	1.38	1.65	0.90	1.1[illegible]	5.45	1.93	2.96	1.59	1.93	2.19	1.54	1.03
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	17.78	18.89	17.05	17.38	17.83	16.85	18.64	19.13	10.58	12.64	19.63	16.61	18.37	18.17	15.36	16.63	15.32	15.45	19.12	17.19	16.15	20.16
1972-73 SE OF P-VAL	0.95	1.82	2.59	1.61	1.66	1.25	1.43	1.04	2.17	2.27	4.63	3.54	1.56	1.41	1.95	2.10	2.75	1.60	3.47	2.67	3.23	1.65
1972-73 DELTA-P		1.11	-0.73	-0.40	0.05	-0.93	0.86	1.35#	-7.20#	-5.14#	1.85	-1.17	0.59	0.39	-2.42	-1.15	-2.46	-2.33	1.34	-0.59	-1.63	2.38
1972-73 SE OF DP		1.62	2.16	1.41	1.51	0.98	0.92	0.34	1.94	2.09	4.44	3.31	1.45	1.05	1.58	2.03	2.72	1.69	3.27	2.53	2.91	1.23
AGE: 17																						
1972-73 P-VALUE	17.95	15.57	17.58	18.53	20.34	17.19	18.64	18.83	12.11	15.23	18.38	14.32	20.11	17.29	17.00	16.85	19.43	16.89	15.08	17.47	21.20	18.06
1972-73 SE OF P-VAL	1.03	1.99	1.64	2.24	1.87	1.20	1.32	1.21	1.90	2.86	3.70	2.55	2.03	1.60	3.75	1.80	2.71	4.11	3.33	2.59	3.11	1.51
1972-73 DELTA-P		-2.38	-0.37	0.58	2.39	-0.76	0.69	0.88*	-5.84#	-2.72	0.43	-3.63	2.16	-0.66	-0.95	-1.10	1.48	-1.06	-2.87	-0.48	3.25	0.11
1972-73 SE OF DP		1.67	1.63	1.78	1.70	0.76	0.68	0.36	1.93	2.95	3.65	2.52	1.65	1.01	4.05	2.08	2.87	3.73	3.14	2.35	2.68	1.25
AGE: Ad																						
1972-73 P-VALUE	9.22	6.24	10.84	9.10	10.81	7.06	11.23	9.26	9.44	8.20	10.39	10.74	9.14	7.72	4.89	9.73	15.16	10.99	7.00	6.57	8.21	8.72
1972-73 SE OF P-VAL	0.77	1.28	1.98	1.32	1.61	0.84	1.15	0.87	2.02	2.39	1.37	2.16	1.32	1.69	2.91	2.49	3.12	2.88	2.70	1.39	1.95	1.12
1972-73 DELTA-P		-2.98#	1.62	-0.12	1.59	-2.16#	2.01#	0.04	0.22	-1.02	1.17	1.52	-0.08	-1.50	-4.33	0.51	5.94*	1.77	-2.22	-2.65	-1.01	-0.50
1972-73 SE OF DP		1.19	1.70	1.15	1.36	0.70	0.65	0.28	1.95	2.42	1.11	2.00	1.14	1.47	2.90	2.53	2.90	2.52	2.41	1.42	1.90	1.03
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	25.99	26.70	24.49	26.55	26.01	25.94	26.04	26.77	20.06	26.25	24.72	20.63	27.29	28.28	20.33	30.65	25.13	25.43	20.37	28.76	24.79	25.78
1972-73 SE OF P-VAL	1.07	2.39	2.04	2.26	1.75	1.30	1.70	1.28	2.35	3.73	4.82	2.89	2.04	1.74	2.60	3.60	4.55	3.10	1.50	2.57	2.75	2.21
1972-73 DELTA-P		0.71	-1.50	0.56	0.02	-0.05	0.05	0.78	-5.93#	0.26	-1.27	-5.36*	1.30	2.29	-5.66*	4.66	-0.86	-0.56	-5.62#	2.77	-1.20	-0.21
1972-73 SE OF DP		2.04	1.85	1.82	1.64	1.12	1.04	0.43	2.37	3.72	4.93	2.63	1.58	1.44	2.43	3.49	4.41	2.83	1.81	2.47	2.66	1.65
AGE: 17																						
1972-73 P-VALUE	29.90	30.04	29.65	30.68	29.00	28.73	30.96	31.27	22.10	23.43	28.32	24.12	30.33	32.76	15.24	36.15	29.32	34.70	26.24	29.49	28.63	28.04
1972-73 SE OF P-VAL	1.18	3.49	1.99	1.45	1.59	1.72	1.81	1.34	2.65	4.00	3.77	3.48	1.99	1.93	2.84	2.49	2.33	5.32	2.22	2.70	3.24	1.64
1972-73 DELTA-P		0.14	-0.25	0.78	-0.90	-1.17	1.06	1.37#	-7.80#	-6.47	-1.58	-5.78	0.43	2.86#	-14.66#	6.25#	-0.58	4.80	-3.66	-0.41	-1.27	-1.86
1972-73 SE OF DP		2.63	1.93	1.51	1.65	1.40	1.27	0.34	2.72	4.01	3.64	3.38	1.82	1.13	3.21	2.38	2.45	4.69	2.60	2.60	2.93	1.42

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 R0271

Show your personal opinion about various science topics by marking a seven position scale.

Part A. Tecnnology is harmful/beneficial.

RESPONSE: 06 AGE: A6 TEXT: Scale Score 6.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	25.23	20.30	24.96	27.60	27.40	26.52	24.03	25.92	21.63	21.57	19.44	23.23	28.42	28.54	21.10	26.03	20.73	26.62	28.58	27.28	22.68	25.05
1972-73 SE OF P-VAL	1.30	2.06	2.71	2.32	3.03	1.65	1.53	1.33	3.10	5.44	2.28	2.31	1.97	2.57	7.18	4.35	3.17	3.04	3.95	3.88	2.47	2.14
1972-73 DELTA-P		-4.93@	-0.27	2.37	2.17	1.29	-1.20	0.69	-3.60	-3.66	-5.79@	-2.00	3.19*	3.31	-4.13	0.80	-4.50	1.39	3.35	2.05	-2.55	-0.18
1972-73 SE OF DP		1.95	2.43	1.99	2.46	0.94	0.89	0.43	2.86	5.04	1.83	2.27	1.55	1.98	7.13	4.16	3.07	2.71	3.57	3.73	2.58	1.51

RESPONSE: 07 AGE: 13 TEXT: Scale Score 7. (Beneficial)

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	27.32	27.10	31.72	26.19	24.86	28.68	26.06	27.24	29.33	24.74	21.57	25.62	25.36	30.34	26.27	26.37	24.50	35.74	26.63	21.79	25.45	27.93
1972-73 SE OF P-VAL	1.12	1.83	2.36	2.67	1.86	1.37	1.67	1.15	3.30	3.45	3.79	2.68	1.97	1.77	2.70	3.75	3.27	3.31	2.54	3.17	4.23	1.31
1972-73 DELTA-P		-0.22	4.40*	-1.13	-2.46	1.36	-1.26	-0.08	2.01	-2.58	-5.75	-1.70	-1.96	3.02*	-1.05	-0.95	-2.82	8.42@	-0.69	-5.53	-1.87	0.61
1972-73 SE OF DP		1.73	2.10	2.08	1.72	1.08	1.00	0.43	2.87	3.37	3.75	2.70	1.70	1.30	2.24	3.61	3.14	2.96	2.54	2.93	1.76	1.37

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	35.27	35.09	38.14	34.95	33.40	38.58	32.26	34.80	39.38	34.84	31.68	39.77	33.37	36.80	30.00	31.44	33.23	36.42	40.34	33.47	31.44	37.40
1972-73 SE OF P-VAL	1.47	3.38	2.73	2.89	2.41	1.90	1.57	1.63	3.32	3.87	4.18	4.55	2.36	1.96	5.09	3.17	3.27	2.81	4.07	5.13	3.42	2.17
1972-73 DELTA-P		-0.18	2.87	-0.32	-1.87	3.31@	-3.01@	-0.47	4.11	-0.43	-3.59	4.50	-1.90	1.53	-5.27	-3.83	-2.04	1.15	5.07	-1.80	-3.83	2.13
1972-73 SE OF DP		2.71	2.59	2.38	2.29	0.97	0.89	0.38	3.18	3.91	4.06	4.42	1.63	1.15	4.89	3.16	3.24	2.89	4.06	4.35	3.14	1.74

AGE: A6

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	53.32	59.52	51.62	52.01	50.39	55.79	51.02	53.71	50.27	53.17	56.72	54.69	53.57	50.96	36.03	54.39	50.92	52.07	48.48	55.38	59.86	52.62
1972-73 SE OF P-VAL	1.24	2.57	2.63	1.56	2.98	1.67	1.75	1.29	3.73	5.13	2.69	3.46	2.18	2.63	6.86	4.92	4.75	3.94	4.74	4.70	3.25	1.90
1972-73 DELTA-P		6.20@	-1.70	-1.31	-2.93	2.47*	-2.30*	0.39	-3.05	-0.15	3.40	1.37	0.25	-2.36	-17.29@	1.07	-2.40	-1.25	-4.84	2.06	6.54*	-0.70
1972-73 SE OF DP		2.21	2.36	1.58	2.41	1.22	1.13	0.53	3.47	4.84	2.14	3.46	1.74	2.37	6.90	4.82	4.66	3.81	4.40	4.53	3.01	1.50

EXERCISE: 303009-234 R0271

Part B. Technology is boring/interesting.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.92	3.62	2.91	3.84	1.19	3.70	2.20	2.07	8.98	3.44	2.97	7.09	2.83	1.31	5.30	3.80	4.16	2.75	7.42	1.05	4.77	1.34
1972-73 SE OF P-VAL	0.52	1.44	0.86	1.13	0.33	0.73	0.49	0.51	1.77	1.38	1.77	2.35	0.69	0.49	1.37	2.15	1.64	1.61	2.52	0.66	1.30	0.58
1972-73 DELTA-P		0.70	-0.01	0.92	-1.73@	0.78*	-0.72*	-0.85@	6.06@	0.52	0.05	4.17*	-0.09	-1.61@	2.38*	0.88	1.24	-0.17	4.50	-1.87*	1.85	-1.58@
1972-73 SE OF DP		1.17	0.92	0.90	0.57	0.34	0.31	0.25	1.56	1.27	1.57	2.07	0.50	0.52	1.18	1.97	1.54	1.53	2.29	0.78	1.24	0.58

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.98	3.72	1.41	1.42	1.14	1.99	1.97	1.55	5.27	2.51	1.39	3.41	1.11	1.64	8.39	0.37	4.57	1.71	3.53	1.21	2.06	1.99
1972-73 SE OF P-VAL	0.32	0.82	0.61	0.44	0.45	0.47	0.49	0.33	1.20	1.51	0.72	0.99	0.44	0.52	2.99	0.36	1.52	1.16	1.78	0.72	0.89	0.54
1972-73 DELTA-P		1.74@	-0.57	-0.56	-0.84	0.01	-0.01	-0.43@	3.29@	0.53	-0.59	1.43	-0.87	-0.34	6.41*	-1.61@	2.59	-0.27	1.55	-0.77	0.08	0.01
1972-73 SE OF DP		0.82	0.57	0.43	0.45	0.37	0.34	0.17	1.12	1.41	0.71	0.94	0.47	0.37	2.88	0.45	1.49	1.09	1.70	0.66	0.85	0.44

AGE: A6

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.70	1.57	2.39	2.04	0.87	1.65	1.74	0.97	6.55	3.67	1.51	2.12	1.30	0.98	10.47	0.94	2.65	0.61	6.65	2.53	0.00	1.16
1972-73 SE OF P-VAL	0.44	0.64	1.12	1.12	0.37	0.61	0.49	0.33	3.39	1.71	0.46	1.27	0.77	0.52	5.77	0.67	1.03	0.45	3.48	1.93	0.00	0.38
1972-73 DELTA-P		-0.13	0.69	0.34	-0.83	-0.05	0.04	-0.73*	4.85	1.97	-0.19	0.42	-0.40	-0.72	8.77	-0.76	0.95	-1.09	4.95	0.83	-1.70@	-0.54
1972-73 SE OF DP		0.63	0.96	0.85	0.51	0.35	0.32	0.34	3.07	1.84	0.57	1.03	0.63	0.66	5.48	0.78	1.08	0.58	3.17	1.75	0.44	0.48

RESPONSE: 01 AGE: 13 TEXT: Scale Score 1. (Boring)

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.55	9.08	8.34	11.17	9.20	8.50	10.52	9.85	9.10	6.30	6.86	10.18	10.22	9.05	10.27	9.41	7.95	8.19	7.94	14.27	9.84	8.95
1972-73 SE OF P-VAL	0.84	1.26	0.90	2.34	1.39	1.11	1.07	1.00	2.12	2.21	2.23	2.41	1.39	1.25	1.75	5.68	1.72	1.53	1.82	2.81	1.73	0.92
1972-73 DELTA-P		-0.47	-1.21	1.62	-0.35	-1.05	0.97	0.30	-0.45	-3.25	-2.69	0.63	0.67	-0.50	0.72	-0.14	-1.60	-1.36	-1.61	4.72	0.29	-0.60
1972-73 SE OF DP		1.24	1.07	1.74	1.29	0.72	0.67	0.35	2.22	2.11	2.35	2.42	0.99	0.83	1.57	5.14	1.82	1.63	1.67	2.59	1.74	0.99

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.52	6.58	4.75	5.45	5.04	5.05	5.95	5.43	5.86	6.19	6.97	5.06	8.12	2.78	12.74	4.24	5.96	4.20	3.21	8.68	5.34	5.31
1972-73 SE OF P-VAL	0.59	1.45	1.08	0.97	1.09	0.70	0.96	0.64	2.23	1.91	2.28	1.67	1.50	0.52	4.66	1.52	2.05	1.84	1.05	1.47	1.36	0.77
1972-73 DELTA-P		1.06	-0.77	-0.07	-0.48	-0.47	0.43	-0.09	0.34	0.67	1.45	-0.46	2.60*	-2.74@	7.22	-1.28	0.44	-1.32	-2.31*	3.16@	-0.18	-0.21
1972-73 SE OF DP		1.14	1.03	0.86	0.99	0.63	0.58	0.26	2.03	2.01	2.34	1.56	1.12	0.64	4.47	1.52	1.89	1.58	1.09	1.26	1.30	0.69

* The absolute value of this number is greater than 2.0 times its standard error.
@ The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 80271

Show your personal opinion about various science topics by marking a seven position scale.

Part B. Technology is boring/interesting.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01 AGE: Ad	TEXT: Scale Score 1. (Boring)																					
1972-73 P-VALUE	2.70	3.61	3.65	2.29	1.53	2.26	3.11	2.80	3.32	0.00	2.44	2.87	2.68	2.26	7.44	2.43	1.85	0.63	2.16	0.90	3.21	4.14
1972-73 SE OF P-VAL	0.40	0.47	1.12	0.50	0.61	0.52	0.57	0.43	1.28	0.00	0.66	0.83	0.76	0.75	3.38	1.39	0.57	0.47	1.36	0.66	1.47	0.68
1972-73 DELTA-P		0.91	0.95	-0.41	-1.17	-0.44	0.41	0.10	0.62	-2.70#	-0.26	0.17	-0.02	-0.44	4.74	-0.27	-0.85	-2.07#	-0.54	-1.80#	0.51	1.44#
1972-73 SE OF DP		0.80	0.94	0.51	0.59	0.39	0.36	0.38	1.14	0.40	0.54	0.82	0.59	0.69	3.22	1.34	0.67	0.56	1.34	0.68	1.28	0.47
RESPONSE: 02 AGE: 13	TEXT: Scale Score 2.																					
1972-73 P-VALUE	5.11	3.85	5.05	5.32	6.14	5.56	4.70	5.48	2.74	4.46	2.47	3.28	4.90	6.22	4.53	4.31	5.42	5.34	2.86	6.67	7.30	4.26
1972-73 SE OF P-VAL	0.65	0.56	1.14	1.58	1.52	0.90	0.74	0.78	0.70	2.19	1.12	1.23	1.07	0.79	1.36	3.15	2.59	1.05	1.03	1.80	2.40	0.87
1972-73 DELTA-P		-1.26	-0.06	0.21	1.03	0.45	-0.41	0.37	-2.37#	-0.65	-2.64*	-1.83	-0.21	1.11	-0.58	-0.80	0.31	0.23	-2.25	1.56	2.19	-0.85
1972-73 SE OF DP		0.77	1.07	1.21	1.26	0.52	0.48	0.22	0.90	2.20	1.21	1.27	0.60	0.62	1.13	2.93	1.63	0.99	1.18	1.59	2.11	0.83
AGE: 17																						
1972-73 P-VALUE	5.23	6.18	3.64	5.13	5.62	4.29	6.09	5.42	2.35	7.55	7.03	2.87	5.87	5.09	4.41	5.13	3.11	6.82	3.48	7.39	3.92	4.90
1972-73 SE OF P-VAL	0.65	1.57	1.09	1.25	1.10	0.77	0.93	0.71	1.14	3.26	1.77	1.20	1.09	0.83	1.89	2.64	1.27	1.41	1.93	1.94	1.14	1.02
1972-73 DELTA-P		0.95	-1.59	-0.10	0.39	-0.94	0.86	0.19	-2.88#	2.32	1.80	-2.36*	0.64	-0.14	-0.82	-0.10	-2.12	1.59	-1.75	2.16	-1.31	-0.33
1972-73 SE OF DP		1.25	1.07	1.04	1.03	0.58	0.52	0.24	1.06	3.17	1.80	1.08	0.69	0.48	2.03	2.46	1.33	1.38	1.89	1.74	1.02	0.76
AGE: Ad																						
1972-73 P-VALUE	2.38	2.46	2.33	2.45	2.27	1.77	2.95	2.72	0.76	0.32	2.46	1.55	2.69	2.04	5.47	1.90	1.80	4.00	2.62	3.49	0.90	2.12
1972-73 SE OF P-VAL	0.39	1.01	0.65	0.75	0.63	0.65	0.56	0.44	0.77	0.30	0.84	0.72	0.88	0.59	2.59	0.87	1.00	1.64	1.55	0.99	0.54	0.53
1972-73 DELTA-P		0.08	-0.05	0.07	-0.11	-0.61	0.57	0.34#	-1.62*	-2.06#	0.08	-0.83	0.31	-0.34	3.09	-0.48	-0.58	1.62	0.24	1.11	-1.48*	-0.26
1972-73 SE OF DP		0.83	0.63	0.62	0.59	0.48	0.44	0.11	0.77	0.47	0.70	0.77	0.66	0.59	2.56	0.85	1.03	1.47	1.44	0.93	0.64	0.41
RESPONSE: 03 AGE: 13	TEXT: Scale Score 3.																					
1972-73 P-VALUE	8.86	7.88	7.43	10.41	9.30	6.91	10.66	9.79	4.08	4.97	11.56	6.79	8.99	9.41	7.11	9.54	6.35	12.67	5.51	9.24	10.01	7.91
1972-73 SE OF P-VAL	0.69	1.33	1.51	1.22	1.50	0.69	1.14	0.83	1.26	1.89	4.68	2.19	1.12	1.15	1.64	2.45	1.71	1.55	1.28	1.73	1.53	1.26
1972-73 DELTA-P		-0.98	-1.43	1.55	0.44	-1.95#	1.80#	0.93#	-4.78#	-3.89	2.70	-2.07	0.13	0.55	-1.75	0.68	-2.51	3.81#	-3.35#	0.38	1.15	-0.95
1972-73 SE OF DP		1.18	1.32	1.06	1.26	0.69	0.64	0.23	1.29	2.05	4.45	2.15	0.88	0.85	1.76	2.24	1.71	1.41	1.29	1.56	1.44	0.99
AGE: 17																						
1972-73 P-VALUE	8.01	6.99	6.19	9.25	9.25	7.33	8.63	8.59	5.27	4.19	7.39	6.18	10.32	7.27	5.02	6.93	5.33	9.52	9.54	7.80	9.38	7.53
1972-73 SE OF P-VAL	0.75	1.42	1.12	1.57	1.66	0.98	1.03	0.87	1.73	1.95	1.91	1.68	1.44	1.07	1.65	1.36	2.46	3.42	2.03	1.43	1.22	1.24
1972-73 DELTA-P		-1.02	-1.82	1.24	1.24	-0.68	0.62	0.58*	-2.74	-3.82	-0.62	-1.83	2.31*	-0.74	-2.99	-1.08	-2.68	1.51	1.53	-0.21	1.37	-0.48
1972-73 SE OF DP		1.20	1.13	1.28	1.43	0.70	0.64	0.24	1.76	1.97	2.09	1.54	1.11	0.65	1.78	1.42	2.43	3.03	1.94	1.24	1.27	1.02
AGE: Ad																						
1972-73 P-VALUE	4.46	3.14	3.40	6.30	4.51	2.61	6.18	4.84	3.21	1.09	4.95	3.79	3.92	5.11	4.39	4.27	3.68	5.55	2.72	2.55	2.96	5.70
1972-73 SE OF P-VAL	0.47	0.88	1.16	1.06	0.52	0.59	0.77	0.51	1.26	0.77	0.90	1.28	0.76	1.18	2.51	1.90	1.22	1.58	1.72	0.89	0.99	0.80
1972-73 DELTA-P		-1.32	-1.06	1.84*	0.05	-1.85#	1.72#	0.38*	-1.25	-3.37#	0.49	-0.67	-0.54	0.65	-0.07	-0.19	-0.78	1.09	-1.74	-1.91*	-1.50	1.24*
1972-73 SE OF DP		0.80	1.00	0.82	0.59	0.53	0.50	0.18	1.18	0.88	0.76	1.22	0.84	1.09	2.49	1.83	1.18	1.41	1.68	0.83	1.09	0.59
RESPONSE: 04 AGE: 13	TEXT: Scale Score 4. (Neither boring nor interesting)																					
1972-73 P-VALUE	36.75	37.31	35.34	37.74	36.34	29.92	43.08	38.10	28.05	34.41	36.93	35.10	38.94	37.47	30.98	38.51	30.66	30.68	41.27	38.34	35.56	38.79
1972-73 SE OF P-VAL	1.06	1.84	1.58	2.53	2.14	1.61	1.73	1.19	2.51	4.48	3.84	3.89	2.28	1.67	3.08	3.72	3.46	2.18	2.95	3.06	2.04	2.10
1972-73 DELTA-P		0.56	-1.41	0.99	-0.41	-6.83#	6.33#	1.35#	-8.70#	-2.34	0.18	-1.65	2.19	0.72	-5.77	1.76	-6.09	-6.07#	4.52	1.59	-1.19	2.04
1972-73 SE OF DP		1.71	1.60	1.95	1.85	1.33	1.26	0.44	2.45	4.34	3.56	3.69	1.78	1.35	3.27	3.62	3.28	2.20	2.82	2.78	2.02	1.63
AGE: 17																						
1972-73 P-VALUE	27.77	26.25	30.61	27.00	28.05	23.23	31.90	27.74	27.85	28.10	30.46	30.86	27.44	25.99	35.63	29.73	29.47	27.70	30.19	27.96	25.25	27.19
1972-73 SE OF P-VAL	1.17	1.71	3.00	2.17	2.42	1.40	1.66	1.14	3.81	3.22	4.26	3.50	1.84	1.56	5.70	3.84	3.31	3.28	3.57	4.53	3.06	1.46
1972-73 DELTA-P		-1.52	2.84	-0.77	0.28	-4.54#	4.13#	-0.03	0.08	0.33	2.69	3.09	-0.33	-1.78	7.86	1.96	1.70	-0.07	2.42	0.19	-2.52	-0.58
1972-73 SE OF DP		1.63	2.55	1.83	2.11	1.10	0.97	0.38	3.22	3.31	3.92	3.19	1.44	1.16	5.70	3.66	3.12	3.01	3.67	3.92	2.94	1.43
AGE: Ad																						
1972-73 P-VALUE	19.89	17.09	22.40	22.29	17.76	14.36	25.03	20.38	15.04	21.59	18.47	25.98	20.06	16.64	23.59	22.63	15.42	16.49	15.19	18.27	24.28	21.75
1972-73 SE OF P-VAL	1.22	2.31	2.39	2.54	2.44	1.54	1.52	1.30	3.25	6.02	1.65	2.90	2.05	1.90	5.03	2.24	3.35	2.85	3.37	4.75	4.76	1.71
1972-73 DELTA-P		-2.80	2.51	2.40	-2.13	-5.53#	5.14#	0.49	-4.85	1.70	-1.42	6.09*	0.17	-3.25	3.70	2.74	-4.47	-3.40	-4.70	-1.62	4.39	1.86
1972-73 SE OF DP		2.07	2.17	2.08	2.09	0.98	0.94	0.51	3.09	5.77	1.51	2.53	1.41	1.69	4.84	2.35	3.21	2.67	3.12	4.29	4.45	1.50

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 BU271

Show your personal opinion about various science topics by marking a seven position scale.

Part B. Technology is boring/interesting.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	12.69	14.79	11.93	10.39	14.03	14.92	10.63	12.83	8.29	18.75	9.89	9.48	10.97	15.61	11.08	11.65	12.37	14.86	10.99	14.34	11.60	12.37
1972-73 SE OF P-VAL	0.74	1.42	1.15	0.96	2.15	1.02	0.96	0.83	1.55	3.52	2.51	2.01	1.21	1.49	1.91	1.67	1.65	2.33	2.98	2.25	2.34	1.16
1972-73 DELTA-P		2.10	-0.76	-2.30*	1.34	2.23#	-2.06#	0.14	-4.40#	6.06	-2.80	-3.21	-1.72	2.92#	-1.61	-0.84	-0.32	2.17	-1.70	1.65	-1.09	-0.32
1972-73 SE OF DP		1.27	1.13	0.96	1.70	0.69	0.65	0.36	1.64	3.30	2.55	1.86	1.15	1.10	1.77	1.71	1.83	2.14	2.78	2.05	2.12	0.94
AGE: 17																						
1972-73 P-VALUE	19.65	20.03	15.75	22.53	19.02	20.55	18.83	21.01	12.25	12.58	15.18	16.79	20.07	21.78	10.31	19.84	15.40	25.55	19.30	16.60	17.44	19.83
1972-73 SE OF P-VAL	0.80	1.48	1.93	1.40	1.50	1.14	1.26	0.95	2.63	2.66	2.87	2.64	1.71	1.37	3.23	3.09	3.42	1.77	3.83	2.85	2.38	1.40
1972-73 DELTA-P		0.38	-3.90*	2.88*	-0.63	0.90	-0.82	1.36*	-7.40#	-7.07*	-4.47	-2.86	0.42	2.13	-9.34#	0.19	-0.25	5.90#	-0.35	-3.05	-2.21	0.18
1972-73 SE OF DP		1.28	1.64	1.20	1.36	0.93	0.85	0.40	2.52	2.87	2.72	2.65	1.49	1.11	3.09	3.11	3.38	1.77	3.70	2.55	2.21	1.29
AGE: A4																						
1972-73 P-VALUE	16.79	16.28	13.90	18.10	18.17	14.35	19.06	17.83	11.79	10.39	15.47	16.13	17.54	16.36	10.84	17.65	15.06	20.97	16.82	16.62	15.6	16.00
1972-73 SE OF P-VAL	0.98	2.35	1.75	1.91	1.53	1.40	1.44	1.11	2.13	2.68	1.46	2.29	1.46	1.68	4.18	3.57	2.77	3.55	3.33	2.66	3.36	1.56
1972-73 DELTA-P		-0.51	-2.89	1.31	1.38	-2.44*	2.27*	1.04#	-5.00*	-6.40*	-3.32	-0.66	0.75	1.57	-5.95	0.86	-1.73	4.18	0.03	-0.17	-1.16	-0.79
1972-73 SE OF DP		1.95	1.63	1.58	1.44	1.07	0.99	0.32	2.14	2.66	1.50	2.00	1.03	1.21	3.79	3.36	2.71	3.27	3.45	2.62	3.15	1.15
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	11.27	13.68	11.12	9.90	10.67	12.59	10.04	11.40	9.74	12.35	10.15	12.57	9.96	11.93	11.94	9.09	10.96	18.62	9.24	8.59	8.64	11.64
1972-73 SE OF P-VAL	0.82	1.70	2.30	1.45	0.95	1.21	0.93	0.91	1.89	3.08	3.04	2.84	1.43	1.15	2.10	2.25	1.77	1.97	1.91	1.99	1.40	1.55
1972-73 DELTA-P		2.41	-0.15	-1.37	-0.60	1.32	-1.23	0.13	-1.53	1.08	-1.12	1.30	-1.31	0.66	0.67	-2.18	-0.31	7.35#	-2.03	-2.68	-2.63	0.37
1972-73 SE OF DP		1.47	1.89	1.25	1.06	0.71	0.67	0.33	1.74	3.07	2.98	2.92	1.04	0.96	1.72	2.11	1.74	1.81	1.80	1.84	1.44	1.20
AGE: 17																						
1972-73 P-VALUE	18.46	15.24	20.15	18.83	20.31	21.49	15.70	18.54	16.93	20.24	14.42	18.89	17.04	21.54	5.00	19.57	16.58	15.60	12.58	20.96	21.06	18.77
1972-73 SE OF P-VAL	0.87	1.99	1.25	1.59	1.73	1.43	0.68	1.05	2.05	2.89	2.66	2.77	1.49	1.58	1.79	1.94	1.67	2.17	2.49	3.28	1.96	1.53
1972-73 DELTA-P		-3.22*	1.69	0.37	1.85	3.03#	-2.76#	0.08	-1.63	1.78	-4.04	0.43	-1.42	3.08#	-13.46#	1.11	-1.88	-2.86	-5.88*	2.52	2.60	0.31
1972-73 SE OF DP		1.58	1.31	1.35	1.54	0.85	0.74	0.31	2.23	2.90	2.68	2.62	1.32	1.15	1.94	1.98	1.89	2.13	2.59	2.86	1.87	1.19
AGE: A4																						
1972-73 P-VALUE	20.25	17.39	19.89	19.90	23.60	24.16	16.62	21.15	16.09	14.42	14.23	16.69	20.65	28.53	16.90	21.38	13.68	25.47	15.81	22.15	25.42	18.70
1972-73 SE OF P-VAL	1.06	1.57	2.51	1.83	2.47	1.85	1.36	1.12	3.09	3.22	1.87	2.04	1.84	2.24	6.86	2.98	2.36	3.15	3.49	3.89	3.13	1.54
1972-73 DELTA-P		-2.86	-0.36	-0.35	3.35	3.91#	-3.63#	0.90*	-4.16	-5.83	-6.02#	-3.56	0.40	8.29#	-3.35	1.13	-6.57#	5.22	-4.44	1.90	5.17	-1.55
1972-73 SE OF DP		1.53	2.18	1.60	2.02	1.28	1.19	0.38	2.79	3.20	1.67	2.03	1.44	1.81	6.81	2.84	2.34	2.89	3.33	3.45	3.05	1.34
RESPONSE: 07 AGE: 13 TEXT: Scale Score 7. (Interesting)																						
1972-73 P-VALUE	12.85	9.79	17.88	11.22	13.13	17.89	8.16	10.49	29.03	15.34	19.18	15.52	13.19	9.01	18.79	13.48	22.14	6.90	14.70	7.51	12.30	14.74
1972-73 SE OF P-VAL	0.85	0.79	2.43	1.58	1.73	1.35	1.01	0.99	2.53	2.27	2.97	2.76	1.47	1.08	2.61	2.44	4.66	1.29	2.38	1.48	1.65	1.86
1972-73 DELTA-P		-3.06#	5.03#	-1.63	0.28	5.04#	-4.67#	-2.36#	16.18#	2.49	6.33*	2.67	0.34	-3.84#	5.98#	0.63	9.29	-5.95#	1.93	-5.34#	-0.55	1.89
1972-73 SE OF DP		1.04	2.00	1.74	1.50	0.90	0.80	0.40	2.42	2.99	2.90	2.55	1.29	0.88	2.37	2.14	4.67	1.36	2.40	1.49	1.70	1.31
AGE: 17																						
1972-73 P-VALUE	13.38	15.02	17.51	10.40	11.57	16.08	10.93	11.71	24.32	18.64	17.15	15.92	10.02	13.91	18.50	14.18	15.58	8.91	18.18	9.38	15.55	14.48
1972-73 SE OF P-VAL	0.92	2.22	2.32	1.40	1.31	1.20	1.29	1.04	3.32	3.74	3.08	3.03	1.12	1.25	3.70	2.88	2.46	2.15	3.39	1.75	2.69	1.68
1972-73 DELTA-P		1.64	4.13*	-2.98*	-1.81	2.70#	-2.45#	-1.67#	10.94#	5.26	3.77	2.54	-3.36#	0.53	5.12	0.80	2.20	-4.47*	4.80	-4.00*	2.17	1.10
1972-73 SE OF DP		1.72	2.05	1.30	1.34	0.88	0.82	0.40	3.14	3.87	2.89	2.67	0.86	0.86	3.66	2.74	2.44	2.12	3.30	1.63	2.49	1.24
AGE: A4																						
1972-73 P-VALUE	31.84	38.47	32.05	26.63	31.31	38.85	25.32	29.32	43.24	48.52	40.47	30.87	31.17	26.10	20.92	28.80	45.87	26.28	38.04	33.51	27.61	30.43
1972-73 SE OF P-VAL	1.34	2.68	1.77	2.43	3.17	1.67	1.77	1.42	4.26	6.44	2.47	3.03	2.23	2.30	5.34	3.81	4.02	3.98	5.40	4.36	2.34	2.15
1972-73 DELTA-P		6.63#	0.21	-5.21#	-0.53	7.01#	-6.52#	-2.52#	11.40#	16.68#	8.63#	-0.97	-0.67	-5.74#	-10.92*	-3.04	14.03#	-5.56	6.20	1.67	-4.23	-1.41
1972-73 SE OF DP		2.33	1.90	2.05	2.58	1.13	1.06	0.61	4.83	6.14	2.09	2.54	1.69	2.08	5.41	3.69	3.96	3.62	5.14	3.96	2.50	1.71

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part a. Science is harmful/beneficial.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No response.																						
1972-73 P-VALUE	5.68	5.97	5.12	7.32	4.01	6.05	5.33	4.83	10.69	8.04	10.93	7.69	5.52	2.93	10.45	5.63	9.61	4.51	9.60	3.89	7.11	4.45
1972-73 SE OF P-VAL	0.65	1.55	1.10	1.44	0.88	0.82	0.89	0.63	1.90	2.22	3.76	1.88	0.97	0.68	1.86	0.91	2.60	1.32	2.29	1.51	2.01	1.14
1972-73 DELTA-P		0.29	-0.56	1.64	-1.67	0.37	-0.35	-0.85#	5.01#	2.36	5.25	2.01	-0.16	-2.75*	4.77#	-0.05	3.93	-1.17	3.92	-1.79	1.43	-1.23
1972-73 SE OF DP		1.29	1.06	1.14	0.89	0.59	0.54	0.27	1.66	2.18	3.53	1.72	0.64	0.81	1.55	1.03	2.45	1.34	2.26	1.47	1.81	0.83
AGE: 17																						
1972-73 P-VALUE	2.90	4.85	2.95	2.16	1.49	2.74	3.05	1.63	11.07	7.26	4.29	4.64	1.25	1.41	20.56	2.21	7.02	1.56	6.29	2.30	1.76	2.69
1972-73 SE OF P-VAL	0.60	0.74	1.19	0.66	0.61	0.63	0.55	0.38	2.16	2.06	1.54	1.53	0.45	0.48	4.61	1.59	3.17	1.02	2.37	1.18	0.85	0.67
1972-73 DELTA-P		1.95#	0.05	-0.74	-1.41*	-0.16	0.15	-1.27#	8.17#	4.36*	1.39	1.74	-1.65#	-1.49#	17.66#	-0.69	4.12	-1.34	3.39	-0.60	-1.14	-0.21
1972-73 SE OF DP		0.62	1.00	0.59	0.60	0.46	0.41	0.29	1.96	2.04	1.37	1.54	0.50	0.43	4.41	1.48	3.12	0.98	2.38	1.92	0.85	0.55
AGE: Ad																						
1972-73 P-VALUE	1.45	1.82	2.01	0.78	1.40	1.67	1.24	0.71	4.67	6.66	1.92	0.52	0.87	1.15	10.35	0.35	3.14	0.40	5.69	2.52	0.00	0.80
1972-73 SE OF P-VAL	0.40	0.70	1.10	0.57	0.87	0.64	0.42	0.31	1.90	3.80	0.70	0.37	0.70	0.62	5.54	0.35	1.13	0.41	2.61	1.93	0.00	0.47
1972-73 DELTA-P		0.37	0.56	-0.67	-0.05	0.22	-0.21	-0.74#	3.22	5.21	0.47	-0.93	-0.58	-0.30	8.90	-1.10*	1.69	-1.05	4.24	1.07	-1.45#	-0.65
1972-73 SE OF DP		0.64	0.93	0.55	0.72	0.37	0.35	0.29	1.72	3.61	0.64	0.53	0.58	0.56	5.39	0.51	1.10	0.53	2.39	1.74	0.40	0.44
RESPONSE: 01 AGE: 13 TEXT: Scale Score 1. (Harmful)																						
1972-73 P-VALUE	2.11	0.39	3.38	2.38	2.31	2.60	1.66	1.62	5.10	3.35	3.46	4.54	1.67	1.29	3.44	2.64	2.64	0.25	3.41	1.22	3.08	2.21
1972-73 SE OF P-VAL	0.32	0.21	0.66	0.77	0.69	0.51	0.42	0.32	0.99	1.66	1.18	2.24	0.50	0.42	1.00	1.31	1.28	0.17	1.23	0.69	1.10	0.46
1972-73 DELTA-P		-1.72#	1.27*	0.27	0.20	0.49	-0.45	-0.49#	2.99#	1.24	1.35	2.43	-0.44	-0.82#	1.33	0.53	0.53	-1.86#	1.30	-0.89	0.97	0.10
1972-73 SE OF DP		0.35	0.59	0.60	0.59	0.35	0.32	0.15	0.89	1.60	1.17	2.14	0.50	0.27	0.92	1.19	1.20	0.37	1.16	0.71	0.98	0.38
AGE: 17																						
1972-73 P-VALUE	0.53	0.45	0.45	0.29	0.98	0.70	0.38	0.34	2.24	0.24	1.16	0.51	0.27	0.29	3.28	0.47	1.14	0.00	0.73	0.64	0.70	0.46
1972-73 SE OF P-VAL	0.16	0.29	0.29	0.21	0.48	0.28	0.15	0.16	0.73	0.23	0.76	0.29	0.16	0.17	1.99	0.33	0.58	0.03	0.73	0.44	0.50	0.27
1972-73 DELTA-P		-0.08	-0.08	-0.24	0.45	0.17	-0.15	-0.19*	1.71#	-0.29	0.63	-0.02	-0.26	-0.24	2.75	-0.06	0.61	-0.53#	0.20	0.11	0.17	-0.07
1972-73 SE OF DP		0.23	0.27	0.21	0.38	0.17	0.15	0.09	0.66	0.27	0.73	0.31	0.19	0.17	1.88	0.34	0.57	0.16	0.69	0.39	0.45	0.21
AGE: Ad																						
1972-73 P-VALUE	0.49	0.18	0.35	0.85	0.49	0.32	0.65	0.38	1.44	0.43	1.27	0.30	0.00	0.00	4.04	0.00	0.61	0.00	0.00	0.00	0.00	1.13
1972-73 SE OF P-VAL	0.26	0.18	0.27	0.80	0.41	0.21	0.44	0.29	0.78	0.40	0.91	0.31	0.00	0.00	2.85	0.00	0.45	0.00	0.00	0.00	0.00	0.67
1972-73 DELTA-P		-0.31	-0.14	0.36	0.00	-0.17	0.16	-0.11	0.95	-0.06	0.78	-0.19	-0.49	-0.49	3.55	-0.49	0.12	-0.49	-0.49	-0.49	-0.49	0.64
1972-73 SE OF DP		0.29	0.33	0.59	0.39	0.24	0.22	0.09	0.75	0.46	0.69	0.36	0.26	0.26	2.75	0.26	0.48	0.26	0.26	0.26	0.26	0.42
RESPONSE: 02 AGE: 13 TEXT: Scale Score 2.																						
1972-73 P-VALUE	1.06	1.08	0.89	0.56	1.79	0.95	1.16	0.86	1.79	2.49	0.26	4.20	0.62	0.92	0.97	0.34	0.21	0.97	1.17	1.63	1.32	1.15
1972-73 SE OF P-VAL	[illegible]	0.46	0.41	0.29	0.53	0.32	0.32	0.21	0.80	1.54	0.26	1.74	0.32	0.34	0.46	0.32	0.20	0.60	0.87	0.85	0.40	0.38
1972-73 DELTA-P		0.02	-0.17	-0.50	0.73	-0.11	0.10	-0.20	0.73	1.43	-0.80*	3.14	-0.44	-0.14	-0.09	-0.72*	-0.85#	-0.09	0.11	0.57	0.26	0.09
1972-73 SE OF DP		0.39	0.38	0.29	0.43	0.24	0.22	0.14	0.74	1.86	0.33	1.63	0.31	0.27	0.45	0.36	0.28	0.56	0.81	0.76	0.39	0.30
AGE: 17																						
1972-73 P-VALUE	0.60	0.48	0.06	1.17	0.50	0.69	0.52	0.60	0.27	1.18	0.29	0.00	0.87	0.54	1.12	0.13	1.33	0.73	0.00	2.01	0.39	0.05
1972-73 SE OF P-VAL	0.35	0.27	0.06	[illegible]	0.29	0.39	0.34	0.41	0.19	0.88	0.29	0.00	0.57	0.39	0.83	0.13	0.79	0.56	0.00	1.93	0.26	0.04
1972-73 DELTA-P		-0.12	-0.54	0.57	-0.10	0.09	-0.08	0.00	-0.33	0.58	-0.31	-0.60	0.27	-0.06	0.52	-0.47	0.73	0.13	-0.60	1.41	-0.21	-0.55
1972-73 SE OF DP		0.39	0.35	0.83	0.41	0.10	0.09	0.08	0.39	0.90	0.44	0.35	0.25	0.11	0.85	0.37	0.82	0.59	0.35	1.60	0.42	0.35
AGE: Ad																						
1972-73 P-VALUE	0.22	0.37	0.00	0.31	0.16	0.22	0.22	0.02	0.86	1.99	0.18	0.70	0.06	0.00	1.32	0.00	0.50	0.53	0.00	0.00	0.00	0.28
1972-73 SE OF P-VAL	0.10	0.26	0.00	0.24	0.17	0.13	0.16	0.02	0.65	1.46	0.19	0.51	0.07	0.00	1.32	0.00	0.50	0.51	0.00	0.00	0.00	0.16
1972-73 DELTA-P		0.15	-0.22*	0.09	-0.06	0.00	0.00	-0.20*	0.64	1.77	-0.04	0.48	-0.16	-0.22*	1.10	-0.22*	0.28	0.31	-0.22*	-0.22*	-0.22*	0.06
1972-73 SE OF DP		0.22	0.10	0.19	0.16	0.11	0.10	0.10	0.59	1.38	0.17	0.43	0.11	0.10	1.27	0.10	0.47	0.45	0.10	0.10	0.10	0.13
RESPONSE: 03 AGE: 13 TEXT: Scale Score 3.																						
1972-73 P-VALUE	1.06	0.67	1.15	0.76	1.71	1.02	1.10	0.85	2.13	[illegible]	3.08	1.08	0.68	1.35	0.25	3.01	1.19	0.41	0.66	1.20	0.85	0.83
1972-73 SE OF P-VAL	0.18	0.33	0.48	0.19	0.42	0.31	0.30	0.19	0.72	0.94	1.49	0.56	0.36	0.37	0.15	1.21	0.66	0.39	0.48	0.67	0.46	0.32
1972-73 DELTA-P		-0.39	0.09	-0.30	0.65	-0.04	0.04	-0.21*	1.07	0.92	2.02	0.02	-0.38	0.29	-0.81#	1.95	0.13	-0.65	-0.40	0.14	-0.21	-0.23
1972-73 SE OF DP		0.30	0.40	0.22	0.34	0.26	0.24	0.10	0.67	0.91	1.83	0.55	0.35	0.29	0.21	1.14	0.64	0.40	0.48	0.62	0.46	0.31

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 BU271

Show your personal opinion about various science topics by mark'ng a seven position scale.

Part C. Science is harmful/beneficial.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03 AGE: 17 TEXT: Scal- Score 3.																						
1972-73 P-VALUE	0.75	0.81	0.55	0.70	0.91	0.89	0.62	0.80	0.47	0.43	1.04	0.82	1.05	0.57	0.00	0.81	0.70	0.78	1.09	0.58	0.64	0.78
1972-73 SE OF P-VAL	0.23	0.38	0.43	0.42	0.58	0.34	0.26	0.26	0.46	0.40	0.85	0.62	0.46	0.26	0.00	0.58	0.67	0.55	1.06	0.39	0.53	0.38
1972-73 DELTA-P		0.06	-0.20	-0.05	0.16	0.14	-0.13	0.05	-0.28	-0.32	[illegible]	0.07	0.30	-0.18	-0.75#	0.06	-0.05	0.03	0.34	-0.17	[illegible]	0.03
1972-73 SE OF DP		0.34	0.41	0.36	0.48	0.20	0.18	0.07	0.46	0.44	0.41	0.59	0.33	0.20	0.23	0.47	0.66	0.52	1.00	0.39	0.51	0.27
AGE: Ad																						
1972-73 P-VALUE	0.37	0.18	0.20	0.63	0.40	0.33	0.41	0.36	0.42	0.37	0.82	0.44	0.31	0.00	0.00	0.50	0.00	0.45	0.00	0.00	0.38	0.59
1972-73 SE OF P-VAL	0.13	0.09	0.14	0.34	0.25	0.18	0.18	0.14	0.31	0.34	0.40	0.32	0.21	0.00	0.00	0.50	0.00	0.46	0.00	0.00	0.21	0.27
1972-73 DELTA-P		-0.19	-0.17	0.26	0.03	-0.04	0.04	-0.01	0.05	0.00	0.45	0.07	-0.06	-0.37#	-0.37#	0.13	-0.37#	0.08	-0.37	-0.37#	0.01	0.22
1972-73 SE OF DP		0.14	0.17	0.25	0.21	0.14	0.13	0.04	0.31	0.34	0.31	0.30	0.19	0.13	0.13	0.48	0.13	0.42	0.13	0.13	0.23	0.19
RESPONSE: 04 AGE: 13 TEXT: Scale Score 4. (Neither harmful nor beneficial)																						
1972-73 P-VALUE	11.34	11.02	10.83	12.32	10.97	10.94	11.71	10.44	15.79	15.36	9.57	12.65	14.59	7.45	15.28	15.55	14.33	7.10	11.47	13.82	12.95	9.47
1972-73 SE OF P-VAL	0.76	1.53	1.07	1.44	1.90	1.14	1.03	0.85	1.99	4.13	3.02	3.33	1.39	0.99	2.22	2.59	3.06	1.70	3.44	1.59	2.26	1.34
1972-73 DELTA-P		-0.32	-0.51	0.98	-0.37	-0.40	0.37	-0.90*	4.45*	4.02	-1.77	1.31	3.25#	-3.89#	3.94	4.21	2.99	-4.24#	0.13	2.48	1.61	-1.87
1972-73 SE OF DP		1.35	1.10	1.21	1.54	0.80	0.74	0.42	1.90	3.96	2.87	3.31	1.16	0.75	2.03	2.65	2.97	1.62	3.21	1.44	2.02	1.18
AGE: 17																						
1972-73 P-VALUE	6.66	5.28	5.82	7.19	8.35	6.94	6.41	5.76	11.26	11.92	9.31	9.39	6.39	5.13	12.74	2.97	11.01	6.41	8.88	5.89	7.56	6.42
1972-73 SE OF P-VAL	0.55	1.27	0.86	0.97	1.11	0.79	0.72	0.60	1.90	3.39	2.52	1.90	1.05	0.79	3.08	1.63	2.10	1.73	2.28	1.49	2.15	0.77
1972-73 DELTA-P		-1.38	-0.84	0.53	1.69	0.28	-0.25	-0.90#	4.60#	5.26	2.65	2.73	-0.27	-1.53*	6.08*	-3.69*	4.35*	-0.25	[illegible]	-0.77	0.90	-0.24
1972-73 SE OF DP		1.01	0.86	0.83	0.98	0.55	0.50	0.34	1.73	3.36	2.42	1.86	0.90	0.63	2.90	1.55	1.99	1.60	[illegible]	1.33	2.00	0.81
AGE: Ad																						
1972-73 P-VALUE	4.54	5.89	3.52	4.45	4.21	4.60	4.48	4.08	8.36	4.37	4.86	4.46	4.72	3.66	7.41	7.98	5.36	3.29	7.69	2.33	4.36	4.10
1972-73 SE OF P-VAL	0.58	1.43	0.84	0.98	1.22	0.76	0.73	0.61	2.09	1.94	1.06	1.33	0.94	0.92	3.20	2.24	1.98	1.34	2.29	1.03	1.57	0.92
1972-73 DELTA-P		1.35	-1.02	-0.09	-0.33	0.06	-0.06	-0.46	3.82*	-0.17	0.32	-0.08	0.18	-0.88	2.87	3.44	0.82	-1.25	3.15	-2.21*	-0.18	-0.44
1972-73 SE OF DP		1.17	0.87	0.86	1.03	0.49	0.46	0.24	1.91	1.96	0.86	1.18	0.79	0.78	3.06	2.10	1.89	1.31	2.19	1.09	1.49	0.65
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	11.60	13.96	7.45	11.35	13.36	11.28	11.89	11.67	10.45	12.67	13.50	10.18	10.27	10.96	16.19	15.85	9.07	9.03	17.37	7.47	12.55	11.77
1972-73 SE OF P-VAL	0.78	1.69	1.16	1.66	1.48	1.05	1.22	0.88	1.80	2.76	3.24	2.73	1.34	1.01	2.62	3.42	2.82	1.56	2.90	1.46	[illegible]	[illegible]
1972-73 DELTA-P		2.36	-4.15#	-0.25	1.76	-0.32	0.29	0.07	-1.15	1.07	1.90	-1.42	-1.33	-0.64	4.59	4.25	-2.53	-2.57	5.77*	-4.13#	0.85	0.17
1972-73 SE OF DP		1.44	1.16	1.33	1.31	0.87	0.81	0.29	1.82	2.66	3.16	2.65	1.14	0.74	2.38	3.15	2.74	1.56	2.79	1.57	1.50	1.16
AGE: 17																						
1972-73 P-VALUE	9.20	9.28	5.95	11.28	9.34	9.00	9.38	9.18	7.78	12.14	13.74	9.00	9.95	8.22	7.05	10.56	7.37	6.59	7.63	10.62	11.09	9.15
1972-73 SE OF P-VAL	0.78	1.73	1.33	1.31	1.76	1.10	0.97	0.83	1.91	2.89	2.66	1.95	1.17	1.16	2.74	2.52	1.49	2.35	2.42	2.41	1.69	1.31
1972-73 DELTA-P		0.08	-3.25#	2.08	0.14	-0.20	0.18	-0.02	-1.42	2.94	4.54	-0.20	0.75	-0.98	-2.15	1.36	-1.83	-2.61	-1.57	1.42	1.89	-0.05
1972-73 SE OF DP		1.41	1.29	1.16	1.51	0.71	0.65	0.26	1.79	2.71	2.52	1.96	0.94	0.74	2.60	2.43	1.54	2.19	2.38	2.10	1.64	1.08
AGE: Ad																						
1972-73 P-VALUE	5.14	4.76	4.08	5.06	6.46	5.85	4.48	5.26	5.68	2.26	5.33	4.20	[illegible]	4.52	3.63	3.21	6.89	5.29	8.73	4.17	6.56	4.15
1972-73 SE OF P-VAL	0.64	1.23	0.85	[illegible]	1.55	1.04	0.75	0.73	1.82	1.09	1.18	1.13	1.30	0.85	2.12	1.26	2.00	1.81	3.07	1.94	3.01	0.87
1972-73 DELTA-P		-0.38	-1.06	-0.08	1.32	0.71	-0.66	0.12	0.54	-2.88*	0.19	-0.94	0.96	-0.62	-1.51	-1.93	1.75	0.15	3.59	-0.97	1.42	-0.99
1972-73 SE OF DP		1.09	0.91	1.04	1.26	0.66	0.61	0.23	1.74	1.28	1.04	1.02	0.99	0.65	2.17	1.36	1.99	1.78	2.81	2.02	2.67	0.76
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	23.92	25.95	19.72	23.19	26.60	21.43	26.23	25.26	16.61	19.20	20.77	20.76	24.28	27.61	15.93	19.97	22.87	26.56	16.41	27.81	23.66	24.71
1972-73 SE OF P-VAL	1.02	1.53	2.19	1.73	2.56	1.30	1.57	1.11	2.11	3.70	3.24	4.02	2.06	1.70	2.15	2.56	3.01	2.89	2.02	2.29	2.82	2.27
1972-73 DELTA-P		2.03	-4.20*	-0.73	2.68	-2.49*	2.31*	1.34#	-7.31#	-4.72	-3.15	-3.16	0.36	3.69#	-7.99#	-3.95	-1.05	2.64	-7.51#	3.89	-0.26	0.79
1972-73 SE OF DP		1.50	1.97	1.51	2.05	1.08	0.98	0.37	2.07	3.57	3.13	3.88	1.88	1.20	2.09	2.75	3.02	2.70	2.12	2.23	2.58	1.70
AGE: 17																						
1972-73 P-VALUE	27.24	25.95	25.07	26.83	31.12	27.61	26.91	28.31	19.58	25.09	23.08	24.86	28.13	29.15	15.70	31.21	25.69	27.34	20.86	28.76	28.01	26.88
1972-73 SE OF P-VAL	1.15	2.57	2.79	1.66	2.18	1.45	1.49	1.41	2.23	3.86	3.40	2.89	1.68	2.23	4.12	3.67	2.51	4.47	3.10	2.67	2.37	2.36
1972-73 DELTA-P		-1.29	-2.17	-0.41	3.88	0.37	-0.33	1.07*	-7.66#	-2.15	-4.16	-2.38	0.89	1.91	-11.54#	3.97	-1.55	0.10	-6.38	1.52	0.77	-0.36
1972-73 SE OF DP		2.07	2.45	1.58	1.95	0.97	0.87	0.47	2.42	4.01	3.50	3.11	1.46	1.42	4.30	3.58	2.50	4.10	3.21	2.56	2.42	1.83

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 BU271

Show your personal opinion about various science topics by marking a seven position scale.

Part C. Science is harmful/beneficial.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 06 AGE: Ad TEXT: Scale Score 6.																						
1972-73 P-VALUE	18.03	14.04	18.54	17.71	17.96	18.75	17.36	19.47	9.38	12.52	16.49	11.72	17.17	25.65	11.36	15.11	12.19	22.71	20.35	12.52	20.46	18.81
1972-73 SE OF P-VAL	1.31	2.37	1.90	3.02	2.64	1.80	1.57	1.51	2.72	3.16	2.13	1.82	2.06	2.47	6.92	2.45	2.33	3.43	3.61	3.13	2.50	2.35
1972-73 DELTA-P		0.01	0.51	-0.32	-0.07	0.72	-0.67	1.44#	-8.65#	-5.51	-1.54	-6.31#	-0.86	7.62#	-6.67	-2.92	-5.84*	4.68	2.32	-5.51	2.43	0.78
1972-73 SE OF DP		2.15	1.94	2.36	2.25	1.10	1.03	0.44	2.87	3.17	1.71	1.86	1.56	1.88	6.94	2.57	2.48	3.06	3.46	2.97	2.42	1.60
RESPONSE: 07 AGE: 13 TEXT: Scale Score 7. (Beneficial)																						
1972-73 P-VALUE	43.25	40.98	51.48	42.14	39.27	45.75	40.93	44.50	37.46	36.94	38.44	38.91	42.40	47.50	37.51	37.04	40.11	51.20	39.92	42.96	39.60	45.43
1972-73 SE OF P-VAL	1.18	1.81	2.14	2.88	2.21	1.92	1.88	1.26	3.23	4.18	8.00	4.75	1.91	1.83	2.86	3.10	4.21	3.71	2.94	1.95	4.48	1.72
1972-73 DELTA-P		-2.27	8.23#	-1.11	-3.98*	2.50	-2.32	1.25#	-5.79	-6.31	-4.81	-4.34	-0.85	4.25#	-5.74*	-6.21*	-3.14	7.95*	-3.33	-0.29	-4.65	2.18
1972-73 SE OF DP		1.77	2.04	2.22	1.94	1.53	1.43	0.49	3.05	3.98	7.85	4.63	1.66	1.35	2.63	3.09	3.95	3.62	2.97	2.18	3.76	1.48
AGE: 17																						
1972-73 P-VALUE	52.13	52.90	59.16	50.38	47.31	51.45	52.75	53.39	47.34	41.75	47.10	50.79	52.10	54.70	39.55	51.65	45.75	56.59	54.54	49.23	49.86	53.59
1972-73 SE OF P-VAL	1.41	3.82	2.75	1.88	2.38	1.43	2.16	1.60	2.50	5.47	3.76	3.40	2.42	1.92	[illegible]	3.03	4.21	4.99	4.13	3.98	2.89	2.28
1972-73 DELTA-P		0.77	7.03#	-1.75	-4.82*	-0.68	0.62	1.26#	-4.79	-10.38	-5.03	-1.34	-0.03	2.57*	[illegible]	-0.48	-6.38	4.46	2.41	-2.92	-2.27	1.46
1972-73 SE OF DP		2.92	2.61	1.86	2.24	1.25	1.13	0.47	2.57	5.57	3.79	3.57	1.69	1.19	4.51	3.10	3.87	4.62	4.08	3.51	2.88	1.89
AGE: Ad																						
1972-73 P-VALUE	69.74	68.74	71.28	70.20	68.90	68.25	71.13	69.70	69.17	71.37	69.09	77.63	70.75	65.00	61.88	72.83	71.29	67.32	57.53	78.44	68.23	70.13
1972-73 SE OF P-VAL	1.27	3.07	1.61	2.96	1.82	2.02	1.51	1.40	3.90	3.77	2.42	2.37	2.50	2.56	7.71	3.24	2.93	4.51	5.50	3.51	3.12	2.15
1972-73 DELTA-P		-1.00	1.54	0.46	-0.84	-1.49	1.39	-0.04	-0.57	1.63	-0.65	7.89#	1.01	-4.74*	-7.86	3.09	1.55	-2.42	-12.21*	8.70#	-1.51	0.39
1972-73 SE OF DP		2.55	1.77	2.31	1.79	1.29	1.21	0.47	3.55	4.07	2.09	2.51	1.99	2.12	7.68	3.35	3.11	4.07	4.99	3.39	3.17	1.78

EXERCISE: 303009-234 BU271

Part D. Science is boring/interesting.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.53	2.37	1.07	1.87	0.75	1.89	1.20	0.83	5.78	3.26	3.70	2.20	1.47	0.30	3.83	1.04	1.69	0.24	4.89	0.79	3.33	0.91
1972-73 SE OF P-VAL	0.40	1.39	0.52	0.58	0.33	0.58	0.37	0.29	1.42	1.55	1.93	1.19	0.54	0.14	1.12	0.68	1.19	0.18	2.96	0.60	0.70	0.49
1972-73 DELTA-P		0.84	-0.46	0.34	-0.78	0.35	-0.33	-0.70#	4.25#	1.73	2.17	0.67	-0.06	-1.23#	2.30*	-0.49	0.16	-1.29#	3.36	-0.74	1.80*	-0.62
1972-73 SE OF DP		1.08	0.55	0.55	0.47	0.28	0.26	0.21	1.17	1.31	1.62	0.91	0.39	0.40	0.94	0.73	0.95	0.43	2.66	0.66	0.75	0.49
AGE: 17																						
1972-73 P-VALUE	1.16	1.38	2.52	0.35	0.74	1.02	1.29	0.86	3.82	1.12	0.99	1.15	1.12	1.09	2.26	0.37	1.23	1.42	1.18	1.46	2.29	0.71
1972-73 SE OF P-VAL	0.32	0.60	1.14	0.22	0.40	0.34	0.50	0.26	2.24	0.54	0.57	0.71	0.75	0.42	1.00	0.36	0.51	1.04	0.84	1.07	0.97	0.33
1972-73 DELTA-P		0.22	1.36	-0.81*	-0.42	-0.14	0.13	-0.32	2.66	-0.04	-0.17	-0.01	-0.04	-0.07	1.10	-0.79	0.07	0.26	-0.02	0.30	1.13	-0.45
1972-73 SE OF DP		0.51	0.92	0.35	0.43	0.30	0.27	0.24	2.03	0.64	0.54	0.72	0.56	0.33	1.03	0.45	0.56	0.95	0.77	0.88	0.89	0.36
AGE: Ad																						
1972-73 P-VALUE	1.40	1.26	1.71	1.78	0.86	1.61	1.21	0.85	5.11	2.80	0.56	1.82	1.19	0.98	11.05	0.66	0.70	0.61	6.65	1.87	0.36	0.98
1972-73 SE OF P-VAL	0.44	0.66	1.09	1.10	0.40	0.62	0.43	0.32	3.36	1.71	0.22	1.24	0.76	0.52	5.73	0.46	0.50	0.45	3.48	1.85	0.35	0.40
1972-73 DELTA-P		-0.14	0.31	0.38	-0.54	0.21	-0.19	-0.55	3.71	1.40	-0.84	0.42	-0.21	-0.42	9.65	-0.74	-0.70	-0.79	5.25	0.47	-1.04	-0.42
1972-73 SE OF DP		0.65	0.93	0.84	0.52	0.31	0.29	0.33	3.04	1.82	0.46	1.00	0.62	0.66	5.43	0.63	0.67	0.57	3.17	1.68	0.52	0.48
RESPONSE: 01 AGE: 13 TEXT: Scale Score 1. (Boring)																						
1972-73 P-VALUE	8.47	6.52	8.74	9.42	9.00	6.96	9.87	8.26	10.18	8.15	5.65	12.22	8.78	7.51	9.55	8.89	7.87	5.89	9.00	8.43	8.84	9.25
1972-73 SE OF P-VAL	0.64	1.09	1.35	1.40	1.16	0.74	1.17	0.73	1.72	2.23	2.11	2.97	1.09	1.02	1.43	2.67	2.08	1.26	2.25	1.83	1.48	1.01
1972-73 DELTA-P		-1.95	0.27	0.95	0.53	-1.51	1.40	-0.21	1.71	-0.32	-2.82	3.75	0.31	-0.96	1.08	0.42	-0.60	-2.58*	0.53	-0.04	0.37	0.78
1972-73 SE OF DP		1.02	1.19	1.11	1.05	0.78	0.73	0.29	1.68	2.16	2.05	2.90	0.77	0.76	1.45	2.44	2.02	1.25	2.13	1.67	1.38	0.86
AGE: 17																						
1972-73 P-VALUE	5.14	5.00	5.49	4.72	5.53	4.69	5.55	4.69	7.95	6.89	4.93	8.31	5.52	3.33	13.16	2.94	4.05	3.83	6.54	7.59	3.56	5.49
1972-73 SE OF P-VAL	0.62	1.28	0.83	1.35	1.18	0.81	0.86	0.65	2.22	2.51	1.63	1.64	1.16	0.63	4.57	0.77	1.59	1.55	2.48	2.31	0.75	0.87
1972-73 DELTA-P		-0.14	0.35	-0.42	0.39	-0.45	0.41	-0.45	2.81	1.75	-0.21	3.17	0.38	-1.81#	8.02	-2.20*	-1.09	-1.31	1.40	2.45	-1.58	0.35
1972-73 SE OF DP		1.06	0.89	1.07	1.06	0.59	0.54	0.29	2.09	2.41	1.58	1.62	0.77	0.53	4.41	1.03	1.44	1.38	2.31	1.96	0.91	0.83

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part D. Science is boring/interesting.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01 AGE: Ad TEXT: Scale Score 1. (Boring)																						
1972-73 P-VALUE	2.34	2.53	2.49	2.80	1.53	2.01	2.65	2.16	4.58	0.93	2.79	1.75	2.41	1.96	4.04	1.78	2.03	2.18	1.55	2.04	3.17	2.60
1972-73 SE OF P-VAL	0.42	0.90	0.94	0.84	0.63	0.66	0.64	0.44	1.77	0.93	0.94	0.62	0.89	0.55	2.85	1.03	1.38	1.74	1.27	0.98	1.22	0.64
1972-73 DELTA-P		0.19	0.15	0.46	-0.81	-0.33	0.31	-0.18	2.24	-1.41	0.45	-0.59	0.07	-0.38	1.70	-0.56	-0.31	-0.16	-0.79	-0.30	0.83	0.26
1972-73 SE OF DP		0.77	0.83	0.68	0.61	0.51	0.48	0.23	1.63	0.87	0.79	0.68	0.65	0.58	2.78	1.07	1.37	1.64	1.16	0.90	1.12	0.48
RESPONSE: 02 AGE: 13 TEXT: Scale Score 2.																						
1972-73 P-VALUE	4.49	4.18	3.24	5.25	5.03	3.33	5.56	4.75	3.96	1.91	4.06	1.73	5.18	5.09	3.05	4.76	3.35	5.87	3.31	4.40	5.87	3.89
1972-73 SE OF P-VAL	0.50	0.90	0.96	1.04	1.05	0.61	0.87	0.52	1.52	0.99	2.19	0.95	1.01	0.82	1.24	0.90	1.36	1.49	1.06	1.21	1.75	0.85
1972-73 DELTA-P		-0.31	-1.25	0.76	0.54	-1.16	1.07	0.26	-0.53	-2.58*	-0.43	-2.76*	0.69	0.60	-1.44	0.27	-1.14	1.38	-1.18	-0.09	1.38	-0.60
1972-73 SE OF DP		0.82	0.88	0.84	0.89	0.59	0.59	0.17	1.35	1.06	2.28	1.12	0.84	0.56	1.09	0.93	1.36	1.35	1.13	1.13	1.54	0.70
AGE: 17																						
1972-73 P-VALUE	5.26	4.84	3.87	5.87	6.19	3.86	6.53	5.54	2.67	5.83	10.62	4.83	6.32	3.90	3.87	2.96	5.74	7.23	5.74	6.63	3.92	4.75
1972-73 SE OF P-VAL	0.60	1.29	1.31	1.18	1.04	0.72	0.94	0.68	0.92	1.94	3.38	1.26	1.00	0.69	1.61	1.18	1.04	1.95	2.15	1.48	1.25	0.97
1972-73 DELTA-P		-0.42	-1.39	0.61	0.93	-1.40*	1.27*	0.28	-2.59#	0.57	5.36	-0.43	1.06	-1.36#	-1.39	-2.30*	0.48	1.97	0.48	1.37	-1.34	-0.51
1972-73 SE OF DP		1.05	1.19	0.98	0.97	0.62	0.57	0.17	0.94	1.92	3.19	1.23	0.80	0.44	1.55	1.13	1.11	1.74	1.99	1.25	1.26	0.81
AGE: Ad																						
1972-73 P-VALUE	1.54	1.05	0.58	2.69	1.50	1.47	1.60	1.63	1.47	0.39	1.72	1.10	1.31	1.68	3.50	2.12	1.61	0.54	2.41	1.82	0.56	1.76
1972-73 SE OF P-VAL	0.34	0.61	0.28	0.92	0.45	0.48	0.47	0.38	1.08	0.42	0.82	0.62	0.44	0.63	2.42	0.81	0.86	0.52	1.35	0.88	0.57	0.65
1972-73 DELTA-P		-0.49	-0.96*	1.15	-0.04	-0.07	0.06	0.09	-0.07	-1.15*	0.18	-0.44	-0.23	0.14	1.96	0.58	0.07	-1.00	0.87	0.28	-0.98	0.22
1972-73 SE OF DP		0.56	0.40	0.68	0.46	0.35	0.32	0.13	1.03	0.51	0.69	0.55	0.43	0.49	2.35	0.82	0.85	0.55	1.28	0.84	0.60	0.43
RESPONSE: 03 AGE: 13 TEXT: Scale Score 3.																						
1972-73 P-VALUE	6.11	5.50	5.87	7.30	5.53	5.71	6.48	6.64	3.34	4.06	3.35	6.27	6.21	7.55	2.92	6.54	2.79	8.11	5.85	4.52	6.82	6.33
1972-73 SE OF P-VAL	0.63	0.98	1.00	1.73	0.81	1.10	0.83	0.74	1.02	1.09	1.24	2.01	1.12	0.90	0.96	4.12	1.22	2.06	1.23	1.27	1.24	0.77
1972-73 DELTA-P		-0.61	-0.24	1.19	-0.58	-0.40	0.37	0.53#	-2.77#	-2.05	-2.76*	0.16	0.10	1.44*	-3.19#	0.43	-3.32*	2.00	-0.26	-1.59	0.71	0.22
1972-73 SE OF DP		0.95	0.97	1.29	0.86	0.76	0.71	0.18	1.07	1.21	1.29	1.92	0.84	0.61	0.93	3.80	1.35	1.79	1.26	1.17	1.18	0.84
AGE: 17																						
1972-73 P-VALUE	4.46	4.30	4.07	5.62	3.56	4.88	4.08	4.55	4.39	3.28	5.68	4.14	4.05	4.52	5.20	5.07	4.77	5.44	3.79	4.70	5.08	3.67
1972-73 SE OF P-VAL	0.59	1.27	1.08	1.31	0.76	0.80	0.66	0.63	1.51	1.60	1.75	1.14	0.77	0.83	2.31	1.09	2.10	2.05	1.07	1.43	1.34	0.74
1972-73 DELTA-P		-0.16	-0.39	1.16	-0.90	0.42	-0.38	0.09	-0.07	-1.18	1.22	-0.32	-0.41	0.06	0.74	0.61	0.31	0.98	-0.67	0.24	0.62	-0.79
1972-73 SE OF DP		1.04	1.02	1.04	0.80	0.45	0.41	0.20	1.38	1.56	1.63	1.04	0.68	0.45	2.19	1.03	1.91	1.77	1.13	1.19	1.32	0.66
AGE: Ad																						
1972-73 P-VALUE	2.40	1.79	2.47	2.42	2.89	1.57	3.18	2.57	1.08	2.26	1.99	2.64	3.10	2.08	0.00	3.73	0.76	2.23	0.59	1.83	1.88	3.29
1972-73 SE OF P-VAL	0.34	0.49	0.71	0.60	0.88	0.42	0.61	0.36	0.53	1.64	0.64	1.32	0.69	0.75	0.00	1.54	0.56	0.81	0.45	0.87	0.87	0.69
1972-73 DELTA-P		-0.61	0.07	0.02	0.49	-0.83*	0.78*	0.17	-1.32*	-0.14	-0.41	0.24	0.70	-0.32	-2.40#	1.33	-1.64#	-0.17	-1.81#	-0.57	-0.52	0.89
1972-73 SE OF DP		0.49	0.64	0.52	0.70	0.41	0.38	0.11	0.57	1.51	0.61	1.22	0.58	0.67	0.34	1.45	0.62	0.79	0.53	0.87	0.84	0.48
RESPONSE: 04 AGE: 13 TEXT: Scale Score 4. (Neither boring nor interesting)																						
1972-73 P-VALUE	19.99	22.68	17.36	17.70	22.44	15.31	24.33	20.38	16.32	21.39	25.31	15.94	21.53	19.28	18.81	20.06	21.08	22.19	14.95	19.74	20.48	19.96
1972-73 SE OF P-VAL	0.83	1.75	1.41	1.75	1.63	1.15	1.41	0.98	1.83	2.88	3.65	2.56	1.79	1.33	2.48	2.05	3.34	2.44	2.87	3.44	2.51	1.20
1972-73 DELTA-P		2.69	-2.63	-2.29	2.45	-4.68#	4.34#	0.39	-3.67	1.40	5.32	-4.05	1.54	-0.71	-1.18	0.07	1.09	2.20	-5.04	-0.25	0.49	-0.03
1972-73 SE OF DP		1.54	1.32	1.42	1.41	1.03	0.97	0.35	1.94	2.75	3.68	2.65	1.43	1.08	2.30	1.98	3.26	2.34	2.82	3.10	2.34	1.04
AGE: 17																						
1972-73 P-VALUE	17.79	16.80	18.01	18.63	17.71	16.78	18.70	17.72	15.76	22.55	19.03	22.70	18.10	16.17	19.27	20.78	18.88	17.39	20.25	16.52	19.32	16.42
1972-73 SE OF P-VAL	0.92	1.83	2.39	1.73	1.32	1.10	1.42	0.99	2.29	3.36	3.09	2.78	1.50	1.16	3.91	2.32	2.99	1.87	3.57	3.41	2.43	1.42
1972-73 DELTA-P		-0.99	0.22	0.84	-0.08	-1.01	0.91	-0.07	-2.03	4.76	1.24	4.91	0.31	-1.62	1.48	2.99	1.09	-0.40	2.46	-1.27	1.53	-1.37
1972-73 SE OF DP		1.54	2.06	1.44	1.33	0.94	0.85	0.35	2.16	3.23	2.87	2.49	1.20	0.85	3.78	2.34	3.04	1.84	3.38	3.00	2.29	1.28
AGE: Ad																						
1972-73 P-VALUE	11.43	12.35	13.32	9.88	10.76	10.11	12.66	12.41	6.10	6.61	10.39	11.77	13.49	8.38	20.91	15.93	8.12	12.32	7.85	8.90	12.43	12.24
1972-73 SE OF P-VAL	0.85	1.95	1.76	1.29	1.85	1.25	1.06	0.92	1.83	3.47	1.63	1.81	1.77	1.32	5.23	3.13	1.68	2.12	2.36	2.74	1.80	1.45
1972-73 DELTA-P		0.92	1.89	-1.55	-0.67	-1.32	1.23	0.98#	-5.33#	-4.82	-1.04	0.34	2.06	-3.05*	9.48	4.50	-3.31*	0.89	-3.58	-2.53	1.00	0.81
1972-73 SE OF DP		1.64	1.58	1.21	1.53	0.81	0.76	0.32	1.83	3.26	1.36	1.83	1.30	1.33	5.02	2.91	1.52	2.01	2.32	2.54	1.89	1.09

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part D. Science is boring/interesting.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	12.05	10.38	11.76	13.30	12.48	12.41	11.72	12.57	8.34	11.80	7.13	9.07	11.52	13.79	11.90	13.07	11.67	11.90	14.00	11.03	13.61	11.18
1972-73 SE OF P-VAL	0.90	1.51	2.17	1.98	1.34	1.30	1.09	1.01	1.58	2.72	2.50	2.11	1.41	1.23	2.03	4.70	2.20	2.05	2.75	1.55	1.69	1.40
1972-73 DELTA-P		-1.67	-0.29	1.25	0.43	0.36	-0.33	0.52	-3.71*	-0.25	-4.92	-2.98	-0.53	1.74	-0.15	1.02	-0.38	-0.15	1.95	-1.02	1.56	-0.87
1972-73 SE OF DP		1.41	1.85	1.57	1.31	0.82	0.75	0.27	1.58	2.67	2.54	2.13	1.01	0.90	1.61	4.23	2.24	1.97	2.62	1.60	1.69	1.04
AGE: 17																						
1972-73 P-VALUE	16.36	16.41	12.38	17.54	18.29	15.51	17.13	16.94	13.33	13.07	11.90	11.91	17.57	18.05	9.08	14.35	11.42	15.79	11.78	20.91	14.52	17.58
1972-73 SE OF P-VAL	0.97	1.71	1.57	1.68	2.70	1.25	1.21	1.07	2.52	3.29	2.27	2.96	1.82	1.56	2.70	2.80	1.78	4.10	2.11	2.00	2.49	1.30
1972-73 DELTA-P		0.05	-3.98#	1.18	1.93	-0.85	0.77	0.58	-3.03	-3.29	-4.86	-4.45	1.21	1.69	-7.28*	-2.01	-4.94*	-0.57	-4.58*	4.55#	-1.84	1.22
1972-73 SE OF DP		1.50	1.59	1.47	2.18	0.79	0.73	0.37	2.41	3.15	2.69	2.82	1.39	0.99	2.95	2.59	2.01	3.73	2.23	1.81	2.29	1.05
AGE: Ad																						
1972-73 P-VALUE	13.02	12.80	10.17	15.19	13.13	12.37	13.62	13.71	8.01	12.04	13.23	15.96	11.79	13.20	7.41	15.03	6.78	17.57	16.24	15.99	11.99	11.26
1972-73 SE OF P-VAL	1.01	2.76	1.12	1.82	1.91	1.51	1.15	1.17	1.80	3.12	1.76	2.12	1.61	1.85	3.42	2.95	1.62	2.88	2.55	2.70	1.96	1.46
1972-73 DELTA-P		-0.22	-2.85*	2.17	0.11	-0.65	0.60	0.69*	-5.01#	-0.98	0.21	2.94	-1.23	0.18	-5.61	2.01	-6.24#	4.55	3.22	2.97	-1.03	-1.76
1972-73 SE OF DP		2.23	1.31	1.57	1.66	0.92	0.86	0.31	1.89	3.16	1.51	2.01	1.26	1.41	3.12	2.95	1.76	2.40	2.48	2.37	1.86	1.08
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	16.62	18.63	13.75	17.04	16.79	17.16	16.12	17.50	8.62	19.21	12.67	14.64	14.05	20.60	13.66	17.67	12.49	15.78	16.67	24.50	14.08	15.54
1972-73 SE OF P-VAL	0.86	1.89	1.75	1.62	1.66	1.27	1.18	0.97	1.77	4.21	3.05	2.89	1.40	1.44	2.03	1.84	3.08	2.47	3.74	2.53	1.96	1.56
1972-73 DELTA-P		2.01	-2.87	0.42	0.17	0.54	-0.50	0.88*	-8.00#	2.59	-3.95	-1.98	-2.57#	3.98#	-2.96	1.05	-4.13	-0.84	0.05	7.88#	-2.54	-1.08
1972-73 SE OF DP		1.60	1.59	1.36	1.46	0.90	0.84	0.36	1.85	4.02	3.08	2.80	0.99	1.09	1.99	1.79	3.19	2.34	3.61	2.31	1.86	1.24
AGE: 17																						
1972-73 P-VALUE	22.83	23.73	20.49	23.80	22.59	24.16	21.62	24.84	11.48	13.02	19.03	17.15	24.72	24.30	14.72	26.18	17.33	26.81	17.32	23.25	21.78	22.98
1972-73 SE OF P-VAL	1.16	2.46	2.40	2.24	1.94	1.48	1.65	1.29	2.51	2.30	3.08	3.29	2.04	1.58	3.43	3.93	3.30	3.78	3.05	3.04	2.48	2.06
1972-73 DELTA-P		0.90	-2.34	0.97	-0.24	1.33	-1.21	2.01#	-11.35#	-9.81#	-3.80	-5.68	1.89	1.47	-8.11*	3.35	-5.50	3.98	-5.51	0.42	-1.05	0.15
1972-73 SE OF DP		2.02	2.18	1.85	1.83	1.10	1.01	0.49	2.52	2.32	3.08	2.94	1.57	1.13	3.43	3.70	3.11	3.32	3.05	2.72	2.62	1.76
AGE: Ad																						
1972-73 P-VALUE	21.47	16.78	20.18	24.32	23.71	22.92	20.12	23.41	12.05	9.75	12.06	17.87	25.99	28.90	10.53	17.70	12.58	28.75	23.24	17.79	25.62	21.33
1972-73 SE OF P-VAL	1.09	1.70	2.29	2.30	2.07	1.63	1.29	1.21	2.51	3.32	1.91	2.61	2.34	2.44	6.69	2.08	2.56	3.17	3.51	3.16	4.68	1.92
1972-73 DELTA-P		-4.69#	-1.29	2.85	2.24	1.45	-1.35	1.94#	-9.42#	-11.72#	-9.41#	-3.60	4.52*	7.43#	-10.94	-3.77	-8.89#	7.28#	1.77	-3.68	4.15	-0.14
1972-73 SE OF DP		1.61	2.06	1.84	1.79	1.01	0.95	0.41	2.56	3.11	1.88	2.16	2.07	2.21	6.65	2.16	2.65	2.88	3.32	2.83	4.46	1.62
RESPONSE: 07 AGE: 13 TEXT: Scale Score 7. (Interesting)																						
1972-73 P-VALUE	30.74	29.73	38.22	28.12	27.98	37.25	24.71	29.07	43.46	30.23	38.14	37.93	31.26	25.88	36.28	27.98	39.07	30.02	31.34	26.59	26.96	32.94
1972-73 SE OF P-VAL	1.25	1.84	3.73	2.36	2.32	1.71	1.50	1.36	3.74	4.62	6.66	3.47	2.00	1.65	3.05	3.00	5.47	3.87	3.64	3.30	3.26	2.01
1972-73 DELTA-P		-1.01	7.48*	-2.62	-2.76	6.51#	-6.03#	-1.67#	12.72#	-0.51	7.40	7.19*	0.52	-4.86#	5.54*	-2.76	8.33	-0.72	0.60	-4.15	-3.78	2.20
1972-73 SE OF DP		1.83	3.15	1.97	2.06	1.07	0.99	0.55	3.37	4.59	6.46	3.10	1.72	1.16	2.76	3.02	5.53	3.46	3.53	2.95	2.84	1.65
AGE: 17																						
1972-73 P-VALUE	27.00	27.55	33.17	23.48	25.38	29.09	25.10	24.88	40.61	34.25	27.82	29.82	22.61	28.64	32.43	27.33	36.57	22.10	33.44	18.94	29.53	28.39
1972-73 SE OF P-VAL	1.15	2.50	2.94	1.90	2.09	1.63	1.74	1.27	2.92	3.92	3.81	2.92	1.72	1.73	3.39	4.15	3.30	2.35	3.31	2.13	3.23	2.26
1972-73 DELTA-P		0.55	6.17*	-3.52*	-1.62	2.09	-1.90	-2.12#	13.61#	7.25	0.82	2.82	-4.39#	1.64	5.43	0.33	9.57#	-4.90*	6.44	-8.06#	2.53	1.39
1972-73 SE OF DP		2.03	2.60	1.68	1.92	1.31	1.20	0.46	2.74	3.85	3.38	2.81	1.49	1.23	3.12	3.90	3.29	2.42	3.40	2.15	2.99	1.67
AGE: Ad																						
1972-73 P-VALUE	46.39	51.43	43.07	40.91	45.63	47.93	44.96	43.26	61.59	65.21	57.24	47.09	40.72	42.81	42.55	43.04	67.42	35.80	41.45	49.75	43.98	46.53
1972-73 SE OF P-VAL	1.50	3.55	1.97	3.01	2.66	2.10	1.81	1.57	4.62	4.41	2.66	2.95	2.49	2.92	6.87	4.11	3.56	3.90	4.89	4.90	4.40	2.26
1972-73 DELTA-P		5.04	2.68	-5.48*	-0.76	1.54	-1.43	-3.13#	15.20#	18.82#	10.85#	0.70	-5.67#	-3.58	-3.84	-3.35	21.03#	-10.59#	-4.94	3.36	-2.41	0.14
1972-73 SE OF DP		2.95	2.11	2.42	2.37	1.31	1.22	0.67	4.36	4.18	2.16	2.59	2.03	2.48	6.96	4.14	3.60	3.35	4.44	4.39	4.38	1.96

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                            NATION |          REGION               |      SEX       |         RACE          |          PARENTAL EDUCATION            |              SIZE-AND-TYPE OF COMMUNITY
                                   | NORTH  SOUTH                  |                |                 OTHER |          SOME    GRAD    POST          |EXTREME  LOW    HIGH   MAIN   URBAN  MEDIUM SMALL
                           ________|_EAST___EAST_CENTRAL__WEST___|__MALE__FEMALE_|_WHITE__BLACK___RACE_|_NO HS____HS______HS______HS__UNKNOWN_|_RURAL__METRO__METRO_BIG CTY_FRINGE__CITY__PLACES

EXERCISE: 303009-234   BU271

Show your personal opinion about various science topics by marking a seven position scale.

Part E. Studying science in school is hard/easy.

RESPONSE:  00    AGE: 13        TEXT:  No Response.

    1972-73 P-VALUE             2.64     2.75   2.51   2.96   2.27     3.00   2.31     2.34   4.26   3.79     5.34   2.64   3.17   1.31   4.14     1.71   6.30   1.97   4.11   1.37   4.93   1.53
    1972-73 SE OF P-VAL         0.42     0.74   0.88   0.94   0.76     0.56   0.58     0.42   0.98   1.56     2.88   1.20   0.72   0.40   1.12     0.85   2.04   0.65   0.97   0.72   1.68   0.68
    1972-73 DELTA-P                      0.11  -0.13   0.32  -0.37     0.36  -0.33    -0.30*  1.62   1.15     2.70   0.00   0.53  -1.33#  1.50    -0.93   3.66  -0.67   1.67  -1.27   2.29  -1.11*
    1972-73 SE OF DP                     0.68   0.77   0.74   0.68     0.41   0.38     0.15   0.87   1.45     2.73   1.20   0.49   0.47   0.91     0.87   1.93   0.73   1.03   0.75   1.50   0.53

                 AGE: 17

    1972-73 P-VALUE             2.10     4.30   2.06   1.31   0.54     2.38   1.85     1.36   5.75   6.66     3.24   2.47   1.22   1.26  12.36     2.21   5.01   0.75   4.95   0.90   2.27   1.86
    1972-73 SE OF P-VAL         0.35     0.81   0.72   0.65   0.32     0.63   0.46     0.39   1.55   3.39     1.50   1.12   0.43   0.45   3.52     1.59   2.49   0.72   2.50   0.51   1.02   0.67
    1972-73 DELTA-P                      2.20# -0.04  -0.79  -1.56#    0.28  -0.25    -0.74#  3.65*  4.56     1.14   0.37  -0.88  -0.84* 10.26#    0.11   2.91  -1.35   2.85  -1.20*  0.17  -0.24
    1972-73 SE OF DP                     0.63   0.65   0.55   0.42     0.45   0.40     0.18   1.56   3.33     1.35   1.10   0.46   0.35   3.39     1.46   2.50   0.73   2.48   0.56   0.93   0.50

                 AGE: Ad

    1972-73 P-VALUE             1.55     1.73   1.73   1.67   1.10     1.81   1.31     0.94   5.46   3.42     1.07   1.82   1.17   0.98  11.87     0.35   1.68   0.61   5.74   2.53   0.36   1.21
    1972-73 SE OF P-VAL         0.49     0.81   1.09   1.20   0.68     0.69   0.44     0.35   3.38   2.34     0.52   1.24   0.76   0.49   5.76     0.35   0.79   0.45   3.89   1.93   0.35   0.59
    1972-73 DELTA-P                      0.18   0.18   0.12  -0.45     0.26  -0.24    -0.61   3.91   1.87    -0.48   0.27  -0.38  -0.57  10.32    -1.20*  0.13  -0.94   4.19   0.98  -1.19* -0.34
    1972-73 SE OF DP                     0.76   0.96   0.92   0.68     0.32   0.30     0.38   3.03   2.26     0.60   0.99   0.63   0.53   5.44     0.58   0.94   0.63   3.56   1.76   0.57   0.56

RESPONSE:  01    AGE: 13        TEXT:  Scale Score 1.  (Hard)

    1972-73 P-VALUE             8.38     4.38  12.41   7.75   9.32     8.78   8.01     7.39  13.83  11.81    15.61  11.03   7.92   5.57  12.82     9.61   7.45   4.17   9.64   7.19   9.40   9.64
    1972-73 SE OF P-VAL         0.85     1.01   2.27   1.23   1.98     0.98   1.08     0.89   1.76   3.68     4.11   2.68   1.15   1.00   1.51     3.11   2.61   1.37   1.94   2.88   0.98   1.66
    1972-73 DELTA-P                     -4.00#  4.03* -0.63   0.94     0.40  -0.37    -0.99#  5.45#  3.43     7.23   2.65  -0.46  -2.81#  4.44#    1.23  -0.93  -4.21#  1.26  -1.19   1.02   1.26
    1972-73 SE OF DP                     1.09   1.88   1.17   1.64     0.61   0.57     0.35   1.69   3.39     3.73   2.37   0.76   0.93   1.37     2.90   2.59   1.44   1.94   2.56   1.15   1.27

                 AGE: 17

    1972-73 P-VALUE             6.10     6.45   6.34   4.77   7.13     5.14   6.98     5.98   9.08   2.46     4.60   3.88   6.63   5.46  14.91     4.13   8.29   7.23   2.80   7.33   7.14   5.53
    1972-73 SE OF P-VAL         0.55     0.99   1.18   1.11   1.08     0.79   0.83     0.64   2.23   1.05     1.41   1.29   1.21   0.76   4.43     1.25   1.99   1.66   1.38   1.32   1.35   1.03
    1972-73 DELTA-P                      0.35   0.24  -1.33   1.03    -0.96   0.88    -0.12   2.98  -3.64#   -1.50  -2.22   0.53  -0.64   8.81*   -1.97   2.19   1.13  -3.30*  1.23   1.04  -0.57
    1972-73 SE OF DP                     0.86   1.06   0.91   0.95     0.63   0.57     0.29   2.14   1.17     1.33   1.26   1.00   0.61   4.35     1.16   1.94   1.57   1.40   1.20   1.29   0.76

                 AGE: Ad

    1972-73 P-VALUE            13.69    11.90  15.99  14.25  12.85     9.29  17.78    12.06  22.61  21.56    19.32  14.93   9.83  10.92  23.29    14.64  17.80   9.06   8.97   8.26  16.97  15.78
    1972-73 SE OF P-VAL         0.81     1.57   1.79   1.73   1.33     1.07   1.21     0.86   2.87   4.69     2.41   2.30   1.57   1.97   5.92     2.68   3.22   3.04   2.76   1.86   1.39   1.58
    1972-73 DELTA-P                     -1.79   2.30   0.56  -0.84    -4.40#  4.09#   -1.63#  8.92#  7.86     5.63#  1.24  -3.86* -2.77   9.60     0.95   4.11  -4.63  -4.72  -5.43#  3.28*  2.09
    1972-73 SE OF DP                     1.39   1.60   1.38   1.22     0.83   0.82     0.46   2.80   4.43     2.09   2.09   1.58   1.93   5.69     2.71   3.16   2.72   2.87   1.86   1.42   1.24

RESPONSE:  02    AGE: 13        TEXT:  Scale Score 2.

    1972-73 P-VALUE             4.84     5.28   5.42   4.53   4.25     5.23   4.48     5.25   2.30   3.97     3.91   3.80   3.78   6.32   3.91     6.78   2.13   6.13   6.28   4.91   4.08   4.28
    1972-73 SE OF P-VAL         0.51     0.59   1.41   0.97   0.96     0.76   0.62     0.57   0.82   2.47     1.67   1.34   0.82   0.91   1.27     2.03   0.74   1.33   1.56   1.06   1.09   0.94
    1972-73 DELTA-P                      0.44   0.58  -0.31  -0.59     0.39  -0.36     0.41* -2.54# -0.87    -0.93  -1.04  -1.06   1.48* -0.93     1.94  -2.71#  1.29   1.44   0.07  -0.76  -0.56
    1972-73 SE OF DP                     0.67   1.17   0.81   0.85     0.48   0.45     0.20   0.82   2.37     1.54   1.31   0.71   0.63   1.30     1.78   0.85   1.27   1.51   1.10   1.08   0.67

                 AGE: 17

    1972-73 P-VALUE            10.66     9.75  11.68  10.74  10.75     9.67  11.56    11.58   5.67   5.78    10.26   8.75  12.53  10.54   4.73     6.15   6.49  17.69  11.56  13.65  10.87   8.33
    1972-73 SE OF P-VAL         0.68     1.17   1.48   1.28   1.51     1.08   1.02     0.80   1.66   1.92     2.38   1.98   1.71   0.95   2.07     1.65   1.37   2.73   2.42   1.67   1.80   1.21
    1972-73 DELTA-P                     -0.91   1.02   0.08   0.09    -0.99   0.90     0.92# -4.99# -4.88#   -0.40  -1.91   1.87  -0.12  -5.93#   -4.51# -4.17#  7.03#  0.90   2.99   0.21  -2.33#
    1972-73 SE OF DP                     1.03   1.33   1.08   1.30     0.84   0.76     0.27   1.78   1.88     2.33   1.86   1.41   0.81   2.11     1.54   1.50   2.59   2.36   1.57   1.78   0.91

                 AGE: Ad

    1972-73 P-VALUE            11.40    11.35  10.66  10.92  12.59    12.32  10.55    12.24   8.13   4.82     8.54  13.08   9.66  16.13   5.82     7.98   4.16  18.40  14.11  13.61   8.30  11.07
    1972-73 SE OF P-VAL         0.84     1.90   1.41   1.47   1.83     1.09   1.08     0.92   1.70   2.04     1.31   2.22   1.34   1.82   3.39     2.78   1.11   2.94   2.90   2.11   2.16   1.13
    1972-73 DELTA-P                     -0.05  -0.74  -0.48   1.19     0.92  -0.85     0.84# -3.27* -6.58#   -2.86*  1.68  -1.74   4.73# -5.58    -3.42  -7.24#  7.00#  2.71   2.21  -3.10  -0.33
    1972-73 SE OF DP                     1.60   1.36   1.28   1.52     0.72   0.67     0.27   1.61   2.07     1.20   1.98   1.03   1.51   3.42     2.58   1.25   2.70   2.82   1.83   2.01   0.95

RESPONSE:  03    AGE: 13        TEXT:  Scale Score 3.

    1972-73 P-VALUE            10.88    10.34  11.66  10.04  11.67    11.04  10.73    11.77   7.20   5.58     9.38   9.41  10.73  12.34   8.55     5.43   8.11  12.85   5.69  12.68  12.51  12.26
    1972-73 SE OF P-VAL         0.76     1.54   1.80   1.46   1.26     0.97   1.10     0.91   1.87   1.43     2.55   2.41   1.29   1.16   1.42     1.45   1.45   2.01   1.71   2.54   2.36   1.15
    1972-73 DELTA-P                     -0.54   0.78  -0.84   0.79     0.16  -0.15     0.89# -3.68  -5.30#   -1.50  -1.47  -0.15   1.46  -2.33    -5.45# -2.77   1.97  -5.19#  1.80   1.63   1.38
    1972-73 SE OF DP                     1.35   1.54   1.22   1.17     0.73   0.68     0.28   1.88   1.65     2.66   2.13   1.03   0.78   1.40     1.42   1.49   1.90   1.78   2.27   2.11   0.97

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 303009-234 R0271

Show your personal opinion about various science topics by marking a seven position scale.

Part E. Studying science in school is hard/easy.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03 AGE: 17 TEXT: Scale Score 3.																						
1972-73 P-VALUE	15.66	14.64	12.41	16.65	18.44	16.79	14.64	16.66	7.83	14.78	12.13	8.98	14.10	19.60	7.96	14.96	9.18	18.02	13.80	15.04	22.72	14.44
1972-73 SE OF P-VAL	0.97	2.05	1.79	1.49	2.25	1.37	1.35	1.05	1.91	3.16	2.70	1.89	1.61	1.40	1.61	1.62	1.93	2.24	1.80	2.22	4.06	1.65
1972-73 DELTA-P		-1.02	-3.25	0.99	2.78	1.13	-1.02	1.00#	-7.83#	-0.88	-3.53	-6.68#	-1.56	3.94#	-7.70#	-0.70	-6.48#	2.36	-1.86	-0.62	7.06	-1.22
1972-73 SE OF DP		1.67	1.67	1.37	1.91	0.99	0.91	0.30	1.81	3.27	2.68	1.60	1.40	0.93	1.79	1.85	1.84	2.15	1.93	1.99	3.69	1.38
AGE: A3																						
1972-73 P-VALUE	14.69	13.61	11.07	18.66	14.22	16.67	12.85	16.08	7.46	7.24	15.15	11.87	14.12	17.81	6.92	13.58	13.77	18.48	9.42	12.51	11.56	16.58
1972-73 SE OF P-VAL	1.18	2.06	1.89	2.71	1.66	1.63	1.22	1.23	2.03	2.42	1.68	1.96	1.93	2.13	3.40	3.15	2.98	2.69	2.79	3.03	2.14	1.97
1972-73 DELTA-P		-1.08	-3.62	3.97	-0.47	1.98*	-1.84*	1.39#	-7.23#	-7.45#	0.46	-2.82	-0.57	3.12	-7.77*	-1.11	-0.92	3.79	-5.27	-2.18	-3.13	1.89
1972-73 SE OF DP		1.86	1.83	2.03	1.61	0.90	0.86	0.35	2.00	2.86	1.27	1.95	1.40	1.72	3.33	3.06	2.64	2.54	2.63	2.86	2.17	1.43
RESPONSE: 04 AGE: 13 TEXT: Scale Score 4. (Neither hard nor easy)																						
1972-73 P-VALUE	40.13	39.91	40.14	38.70	42.00	34.39	45.44	39.75	38.76	47.72	37.77	35.17	41.60	39.20	43.22	46.04	46.19	37.37	36.91	36.41	44.98	38.36
1972-73 SE OF P-VAL	1.11	1.64	2.07	2.47	2.39	1.68	1.22	1.37	2.37	4.43	4.28	3.39	1.95	1.45	2.26	3.62	5.92	2.95	2.81	2.62	4.87	1.89
1972-73 DELTA-P		-0.22	0.01	-1.43	1.87	-5.74#	5.31#	-0.38	-1.37	7.59	-2.36	-4.96	1.47	-0.93	3.09	5.91	6.06	-2.76	-3.22	-3.72	4.85	-1.77
1972-73 SE OF DP		1.63	1.89	1.95	2.03	1.02	1.00	0.49	2.71	4.28	3.97	3.24	1.40	1.16	2.04	3.47	5.70	2.83	2.85	2.61	4.54	1.52
AGE: 17																						
1972-73 P-VALUE	30.19	31.12	29.88	29.12	30.69	29.29	31.01	28.91	36.35	38.26	37.33	35.71	32.63	25.91	32.44	36.32	31.40	22.64	28.64	31.61	24.61	32.80
1972-73 SE OF P-VAL	1.34	2.00	2.51	3.35	2.30	1.74	1.79	1.07	2.76	3.76	3.92	2.74	1.88	1.73	4.48	2.73	3.51	2.83	2.37	3.85	3.79	2.42
1972-73 DELTA-P		0.93	-0.31	-1.07	0.50	-0.90	0.82	-1.29#	6.16*	8.07*	7.14*	5.52*	2.44	-4.28#	2.25	6.13*	1.21	-7.55#	-1.55	1.42	-5.58	2.61
1972-73 SE OF DP		1.89	2.35	2.55	2.14	1.20	1.11	0.38	2.63	3.88	3.53	2.45	1.41	1.12	4.43	2.70	3.65	2.73	2.79	3.57	3.38	1.74
AGE: A3																						
1972-73 P-VALUE	28.88	28.47	30.02	26.18	31.34	26.41	31.18	28.96	26.[illegible]	[illegible].44	29.04	32.20	32.21	23.00	23.48	35.83	28.33	24.72	25.50	30.93	33.38	27.83
1972-73 SE OF P-VAL	1.20	2.57	2.88	2.06	2.24	1.93	1.70	1.25	3.78	7.19	2.75	3.41	2.36	2.28	4.43	4.93	3.78	3.70	4.51	3.76	3.93	1.42
1972-73 DELTA-P		-0.41	1.14	-2.70	2.46	-2.47	2.30	0.08	-2.59	3.56	0.16	3.32	3.33	-5.88#	-5.40	6.95	-0.55	-4.16	-3.38	2.05	4.50	-1.05
1972-73 SE OF DP		2.21	2.50	1.79	1.98	1.41	1.31	0.58	1.51	6.91	2.52	2.99	1.93	2.10	4.84	4.66	3.57	3.43	4.35	3.49	3.62	1.29
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	11.98	13.36	8.42	12.68	12.47	14.29	9.84	12.54	7.34	12.85	14.11	11.23	11.30	13.20	9.60	9.81	10.83	16.17	13.35	13.55	8.78	11.57
1972-73 SE OF P-VAL	0.65	1.49	0.83	1.35	1.28	1.15	0.90	0.76	1.52	2.67	3.63	2.45	1.01	1.16	1.96	1.85	2.02	2.70	1.90	1.67	1.13	1.02
1972-73 DELTA-P		1.38	-3.56#	0.70	0.49	2.31#	-2.14#	0.56	-4.64#	0.87	2.13	-0.75	-0.68	1.22	-2.38	-2.17	-1.15	4.19	1.37	1.57	-3.20#	-0.41
1972-73 SE OF DP		1.26	0.89	1.09	1.11	0.82	0.79	0.29	1.54	2.63	3.64	2.49	0.92	0.80	1.80	1.71	1.94	2.43	1.78	1.52	1.24	0.91
AGE: 17																						
1972-73 P-VALUE	15.02	12.93	15.52	17.33	14.17	14.24	15.73	15.53	13.26	10.56	10.63	15.45	16.15	15.75	7.49	17.10	14.03	14.00	15.50	16.19	12.75	15.18
1972-73 SE OF P-VAL	0.83	1.54	2.36	1.19	1.74	1.10	1.27	0.96	2.22	2.34	2.96	3.08	1.84	1.16	2.63	2.04	3.38	2.14	1.89	2.55	1.78	1.49
1972-73 DELTA-P		-2.09	0.50	2.31*	-0.85	-0.78	0.71	0.51	-1.76	-4.46	-4.39	0.43	1.13	0.73	-7.53#	2.08	-0.99	-1.02	0.48	1.17	-2.27	0.16
1972-73 SE OF DP		1.33	2.00	1.14	1.52	0.89	0.80	0.32	2.09	2.48	2.59	2.96	1.54	0.97	2.68	1.88	3.38	2.07	1.93	2.19	1.74	1.15
AGE: A3																						
1972-73 P-VALUE	12.83	15.48	12.38	11.62	12.08	14.88	10.92	13.18	9.83	13.23	12.23	11.11	12.78	14.83	11.15	13.72	11.63	14.68	21.62	13.72	8.66	11.34
1972-73 SE OF P-VAL	0.85	1.50	1.46	1.86	1.66	1.15	1.12	0.97	2.59	3.65	1.97	1.99	1.24	1.95	3.53	3.01	3.16	2.29	4.23	2.92	1.77	1.73
1972-73 DELTA-P		2.65	-0.45	-1.21	-0.75	2.05#	-1.91#	0.35	-3.00	0.40	-0.60	-1.72	-0.05	2.00	-1.68	0.89	-1.20	1.85	8.79*	0.89	-4.17*	-1.49
1972-73 SE OF DP		1.36	1.40	1.46	1.44	0.77	0.73	0.40	2.63	3.43	1.58	1.84	1.21	1.62	3.68	2.88	3.21	2.20	4.03	2.80	1.85	1.40
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	11.30	13.18	9.15	13.27	9.13	12.76	9.95	11.89	8.64	8.18	8.69	11.14	11.16	12.77	8.65	10.44	9.24	11.80	12.75	13.86	7.44	12.03
1972-73 SE OF P-VAL	0.74	1.67	1.74	1.24	1.28	1.01	0.86	0.81	1.71	2.68	2.45	2.63	1.26	1.15	1.59	2.63	2.39	2.21	3.04	[illegible]	2.12	1.43
1972-73 DELTA-P		1.88	-2.15	1.97	-2.17	1.46*	-1.35*	0.59*	-2.66	-3.12	-2.61	-0.16	-0.14	1.47	-2.65	-0.86	-2.06	0.50	1.45	2.56	-3.86	0.73
1972-73 SE OF DP		1.40	1.52	1.09	1.16	0.61	0.56	0.28	1.62	2.61	2.33	2.43	0.96	0.89	1.60	2.56	2.27	2.03	2.87	1.48	2.05	1.15
AGE: 17																						
1972-73 P-VALUE	13.62	14.96	13.99	13.76	11.57	14.81	12.54	14.30	8.44	12.81	14.40	12.79	11.11	15.49	12.62	13.97	15.86	12.82	15.96	10.41	14.44	14.12
1972-73 SE OF P-VAL	0.77	1.83	1.74	1.19	1.31	1.35	1.13	0.87	1.52	3.18	2.78	2.51	1.32	1.29	3.75	2.57	3.15	1.64	3.48	2.05	2.09	1.47
1972-73 DELTA-P		1.34	0.37	0.14	-2.05	1.19	-1.08	0.68#	-5.18#	-0.81	0.78	-0.83	-2.51*	1.87*	-1.00	0.35	2.24	-0.80	2.34	-3.21	0.82	0.50
1972-73 SE OF DP		1.44	1.56	1.09	1.22	1.01	0.92	0.27	1.48	3.14	2.84	2.63	1.07	0.88	3.51	2.56	2.95	1.55	3.36	1.93	1.95	1.24

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 BU271

Show your personal opinion about various science topics by marking a seven position scale.

Part E. Studying science in school is hard/easy.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 06 AGE: Ad TEXT: Scale Score 6.																						
1972-73 P-VALUE	9.57	8.62	11.05	8.81	10.10	10.89	8.34	9.79	8.13	8.94	6.99	8.14	11.66	10.87	6.12	8.67	12.76	9.51	8.75	13.16	8.69	8.40
1972-73 SE OF P-VAL	0.68	1.01	1.76	1.33	1.30	1.14	0.87	0.74	2.20	2.06	1.36	1.55	1.56	1.40	2.93	2.30	2.51	1.74	2.74	2.66	2.23	0.86
1972-73 DELTA-P		-0.95	1.48	-0.76	0.53	1.32	-1.23	0.22	-1.44	-0.63	-2.58*	-1.43	2.09	1.30	-3.45	-0.90	3.19	-0.06	-0.82	3.59	-0.88	-1.17
1972-73 SE OF DP		0.99	1.50	1.10	1.13	0.78	0.71	0.30	2.00	2.89	1.25	1.44	1.29	1.22	3.08	2.25	2.28	1.59	2.63	2.49	2.04	0.82
RESPONSE: 07 AGE: 13 TEXT: Scale Score 7. (Easy)																						
1972-73 P-VALUE	9.84	10.18	10.28	10.05	8.87	10.51	9.22	9.07	17.66	6.08	5.18	15.58	10.32	9.29	9.10	10.18	9.73	9.52	11.06	10.02	7.87	10.31
1972-73 SE OF P-VAL	0.78	1.06	1.62	1.57	1.88	1.22	1.13	0.88	2.73	1.80	1.53	3.02	1.00	1.29	1.77	2.72	2.80	2.64	1.75	2.04	1.61	1.49
1972-73 DELTA-P		0.34	0.44	0.21	-0.97	0.67	-0.62	-0.77*	7.82#	-3.76	-4.66#	5.74*	0.48	-0.55	-0.74	0.34	-0.11	-0.32	1.22	0.10	-1.97	0.47
1972-73 SE OF DP		1.09	1.44	1.29	1.55	0.91	[illegible]	0.35	2.55	1.99	1.59	2.80	0.81	0.93	1.63	2.53	2.77	2.39	1.84	2.00	1.63	1.12
AGE: 17																						
1972-73 P-VALUE	6.64	5.85	8.12	6.30	6.70	7.68	5.69	5.67	13.61	8.68	7.40	11.97	5.63	5.98	7.49	5.15	9.72	6.85	6.77	4.87	5.18	7.72
1972-73 SE OF P-VAL	0.70	1.58	1.80	1.14	1.10	0.89	0.89	0.71	1.89	2.48	1.88	2.69	0.91	0.91	2.6[illegible]	1.89	2.59	1.62	1.37	1.26	1.8[illegible]	1.30
1972-73 DELTA-P		-0.79	1.48	-0.34	0.06	1.04	-0.95	-0.97#	6.97#	2.04	0.76	5.33*	-1.01	-0.66	0.85	-1.49	1.08	0.21	0.13	-1.7[illegible]	-1.46	1.08
1972-73 SE OF DP		1.28	1.56	1.02	1.06	0.59	0.53	0.30	1.74	2.32	1.75	2.54	0.73	0.62	2.41	1.78	2.44	1.53	1.49	1.24	1.71	0.96
AGE: Ad																						
1972-73 P-VALUE	7.39	8.83	7.10	7.89	5.72	7.73	7.07	6.74	12.10	8.37	7.65	6.86	8.56	5.45	11.35	5.23	9.87	4.54	5.89	5.28	12.07	7.78
1972-73 SE OF P-VAL	0.83	2.06	0.87	1.83	1.38	1.24	0.95	0.74	2.88	5.67	1.14	1.55	1.5[illegible]	1.15	6.87	1.23	2.87	1.35	1.85	1.79	3.01	1.25
1972-73 DELTA-P		1.44	-0.29	0.50	-1.67	0.34	-0.32	-0.65	4.71	0.98	0.26	-0.53	1.1[illegible]	-1.94	3.96	-2.16	2.48	-2.85*	-1.50	-2.11	4.68	0.39
1972-73 SE OF DP		1.70	1.06	1.45	1.26	0.75	0.70	0.44	2.71	5.25	0.93	1.46	1.07	1.10	6.66	1.43	2.64	1.25	1.84	1.81	2.63	0.92

EXERCISE: 303009-234 BU271

Part F. Studying science in school is boring/interesting.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	3.00	3.24	2.61	3.62	2.40	3.37	2.65	2.56	7.12	1.44	3.01	4.92	3.05	1.71	5.42	0.83	3.95	2.00	6.15	1.96	5.94	2.30
1972-73 SE OF P-VAL	0.42	1.05	0.77	0.84	0.59	0.69	0.48	0.42	1.56	0.89	1.42	1.63	0.64	0.53	1.27	0.35	1.29	0.85	1.49	0.78	1.61	0.62
1972-73 DELTA-P		0.24	-0.39	0.62	-0.60	0.37	-0.35	-0.44*	4.12#	-1.56	0.01	1.92	0.05	-1.29*	2.42*	-2.17#	0.95	-1.00	3.15*	-1.04	2.94*	-0.70
1972-73 SE OF DP		0.87	0.71	0.69	0.59	0.43	0.40	0.19	1.44	0.83	1.39	1.48	0.43	0.55	1.06	0.50	1.17	0.82	1.38	0.81	1.45	0.50
AGE: 17																						
1972-73 P-VALUE	1.70	2.39	2.7[illegible]	1.09	0.77	1.29	2.07	1.00	6.47	3.56	1.05	0.69	1.65	1.22	8.99	0.37	3.13	0.91	4.96	1.46	1.11	1.65
1972-73 SE OF P-VAL	0.33	0.62	1.1[illegible]	0.36	0.39	0.32	0.59	0.23	2.41	1.60	0.54	0.58	0.88	0.34	2.69	0.36	0.92	0.55	2.17	1.07	0.62	0.41
1972-73 DELTA-P		0.69	1.0[illegible]	-0.61	-0.93*	-0.41	0.37	[illegible]	4.77*	1.86	-0.65	-1.01	-0.05	-0.48	7.29#	-1.33#	1.43	-0.79	3.26	-0.24	-0.59	-0.05
1972-73 SE OF DP		0.53	[illegible]	0.41	0.44	0.36	0.33	0.31	2.15	1.51	0.40	0.70	0.63	0.42	2.60	0.46	0.92	0.57	1.99	0.86	0.64	0.41
AGE: Ad																						
1972-73 P-VALUE	1.14	1.36	2.16	0.63	0.67	1.13	1.15	0.64	4.68	2.07	0.99	[illegible].22	1.02	0.73	11.16	0.86	2.56	0.61	4.0[illegible]	1.87	0.00	0.53
1972-73 SE OF P-VAL	0.33	0.62	1.12	0.52	0.40	0.51	0.40	0.29	1.90	1.50	0.38	[illegible].22	0.71	0.55	5.59	0.60	1.06	0.45	2.06	1.85	0.00	0.25
1972-73 DELTA-P		0.22	1.02	-0.51	-0.47	-0.01	0.01	-0.50*	3.54*	0.93	-0.15	-0.92*	-0.12	-0.41	10.02	-0.28	1.42	-0.53	2.87	0.73	-1.14#	-0.61
1972-73 SE OF DP		0.56	0.91	0.48	0.43	0.32	0.30	0.22	1.71	1.48	0.41	0.41	0.54	0.52	5.43	0.64	1.01	0.53	1.88	1.65	0.33	0.35
RESPONSE: 01 AGE: 13 TEXT: Scale Score 1. (Boring)																						
1972-73 P-VALUE	11.59	10.30	10.41	12.36	13.01	11.49	11.68	11.89	10.48	9.61	10.80	9.05	12.26	11.63	11.77	10.99	13.96	1[illegible].16	10.70	11.28	13.41	11.02
1972-73 SE OF P-VAL	0.84	1.71	2.22	1.15	1.76	1.24	1.32	0.90	1.97	[illegible].44	2.29	2.03	1.62	1.24	1.82	1.61	2.13	1.62	3.10	2.62	2.82	1.19
1972-73 DELTA-P		-1.29	-1.18	0.77	1.42	-0.10	0.09	0.30	-1.11	-[illegible].98	-0.79	-2.54	0.67	0.04	0.18	-0.60	2.37	-0.43	-0.89	-0.31	1.82	-0.57
1972-73 SE OF DP		1.49	1.87	1.12	1.51	1.01	0.94	0.33	1.90	[illegible].24	2.14	2.13	1.21	0.92	1.71	1.71	2.10	1.49	2.84	2.31	2.49	1.07
AGE: 17																						
1972-73 P-VALUE	9.09	8.20	7.38	10.05	10.43	10.51	7.80	9.31	8.31	7.13	6.68	11.31	11.99	7.20	7.73	8.59	9.57	10.17	10.91	7.50	8.19	9.42
1972-73 SE OF P-VAL	0.91	2.11	1.57	1.67	1.58	1.34	1.00	0.92	2.08	2.35	1.87	2.40	1.85	0.89	2.71	1.85	3.04	2.63	3.87	1.90	1.88	1.56
1972-73 DELTA-P		-0.89	-1.71	0.96	1.34	1.42	-1.29	0.22	-0.78	-1.96	-2.41	2.22	2.90*	-1.89*	-1.36	-0.50	0.48	1.08	1.82	-1.59	-0.90	0.33
1972-73 SE OF DP		1.67	1.51	1.42	1.46	0.80	0.70	0.23	1.76	2.19	1.84	2.08	1.23	0.78	2.68	1.78	2.80	2.27	3.66	1.80	1.93	1.21

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part F. Studying science in school is boring/interesting.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01 AGE: Ad TEXT: Scale Score 1. (boring)																						
1972-73 P-VALUE	4.80	7.27	5.06	4.43	2.71	3.66	5.86	4.52	9.10	0.93	5.04	5.18	5.11	3.94	4.68	2.45	7.34	4.69	4.96	3.93	5.04	4.87
1972-73 SE OF P-VAL	0.41	1.16	0.63	0.85	0.49	0.67	0.68	0.43	2.27	0.93	1.15	1.33	1.01	1.04	2.69	0.72	2.66	1.99	1.93	1.21	1.30	0.67
1972-73 DELTA-P		2.47#	0.26	-0.37	-2.09#	-1.14*	1.06*	-0.28	4.30*	-3.87#	0.24	0.36	0.31	-0.86	-0.12	-2.35#	2.54	-0.11	0.16	-0.87	0.28	0.07
1972-73 SE OF DP		0.94	0.63	0.69	0.53	0.55	0.52	0.29	2.15	0.89	1.03	1.24	0.99	0.94	2.65	0.83	2.58	1.92	1.81	1.19	1.29	0.56
RESPONSE: 02 AGE: 13 TEXT: Scale Score 2.																						
1972-73 P-VALUE	5.60	4.00	4.43	5.70	8.09	4.95	6.21	5.82	4.87	3.92	5.60	3.34	5.49	[illegible]	2.96	7.31	6.61	5.79	3.97	6.39	6.56	4.49
1972-73 SE OF P-VAL	0.65	0.68	0.81	1.20	1.93	0.75	0.93	0.70	1.23	2.22	2.50	1.19	[illegible]	1.21	[illegible]	2.17	2.33	1.60	0.83	1.44	1.71	1.11
1972-73 DELTA-P		-1.60	-1.17	0.10	2.49	-0.65	0.61	0.22	-0.73	-1.68	0.00	-2.26	-0.11	1.48	-2.64#	1.71	1.01	0.19	-1.63	0.79	0.96	-1.11
1972-73 SE OF DP		0.82	0.89	1.02	1.50	0.57	0.53	0.21	1.15	2.12	2.36	1.39	0.72	0.80	0.87	2.02	2.13	1.51	1.03	1.42	1.50	0.85
AGE: 17																						
1972-73 P-VALUE	9.20	7.47	8.76	10.58	9.90	8.11	10.19	9.42	6.06	9.90	11.32	7.99	8.99	9.21	9.55	7.71	7.91	9.88	6.32	14.54	8.07	8.04
1972-73 SE OF P-VAL	0.81	1.41	2.15	1.37	1.60	0.88	1.18	0.85	1.77	2.44	2.69	1.78	1.23	1.02	4.02	1.12	1.68	2.78	2.02	2.81	2.21	1.11
1972-73 DELTA-P		-1.73	-0.44	1.38	0.70	-1.09	0.99	0.22	-2.20	0.70	2.12	-1.21	-0.21	0.01	0.35	-1.49	-1.29	0.68	-2.88	5.34*	-1.13	-1.16
1972-73 SE OF DP		1.21	1.85	1.21	1.42	0.69	0.64	0.21	1.60	2.36	2.71	1.73	0.95	0.66	3.60	1.19	1.94	2.54	2.07	2.40	2.08	1.03
AGE: Ad																						
1972-73 P-VALUE	3.23	3.87	1.92	4.29	2.51	3.61	2.88	3.51	1.51	2.23	1.79	4.45	2.73	4.75	1.54	3.96	1.01	6.75	1.00	4.26	2.06	2.95
1972-73 SE OF P-VAL	0.41	1.05	0.68	0.76	0.78	0.69	0.55	0.48	0.82	1.61	0.61	1.42	0.69	1.19	1.50	1.63	0.71	2.14	0.67	1.55	0.87	0.74
1972-73 DELTA-P		0.64	-1.31*	1.06	-0.72	0.38	-0.35	0.28	-1.72	-1.00	-1.44*	1.22	-0.50	1.52	-1.69	0.73	-2.22*	3.52	-2.23#	1.03	-1.17	-0.28
1972-73 SE OF DP		0.86	0.65	0.65	0.68	0.49	0.45	0.15	0.88	1.58	0.58	1.26	0.67	0.99	1.68	1.57	0.92	1.97	0.81	1.50	0.90	0.55
RESPONSE: 03 AGE: 13 TEXT: Scale Score 3.																						
1972-73 P-VALUE	9.94	9.63	8.12	11.45	10.13	10.03	9.86	10.78	4.41	8.69	9.01	5.92	11.40	10.63	7.49	14.13	7.37	13.25	10.66	11.19	9.05	7.64
1972-73 SE OF P-VAL	0.66	1.58	1.04	1.47	1.10	0.91	1.09	0.80	1.14	2.21	3.14	1.82	1.32	1.02	1.30	2.62	3.55	1.52	2.67	2.09	1.81	0.84
1972-73 DELTA-P		-0.31	-1.82	1.51	0.19	0.09	-0.08	0.84#	-5.53#	-1.25	-0.93	-4.02*	1.46	0.69	-2.45	4.19	-2.57	3.31*	0.72	1.25	-3.89	-2.30#
1972-73 SE OF DP		1.27	1.02	1.16	1.02	0.79	0.73	0.25	1.22	2.31	3.20	1.89	0.94	0.69	1.33	2.45	3.41	1.45	2.52	1.96	1.69	0.78
AGE: 17																						
1972-73 P-VALUE	9.66	11.30	9.16	9.15	8.81	8.88	10.37	10.21	6.62	6.82	11.04	7.05	9.33	10.41	7.92	7.08	6.10	10.66	9.87	12.54	8.30	9.71
1972-73 SE OF P-VAL	0.82	2.12	1.61	1.40	1.30	0.91	1.14	0.92	1.66	2.57	2.63	1.93	1.13	1.07	2.39	1.43	2.36	1.59	2.34	2.95	2.15	1.15
1972-73 DELTA-P		1.64	-0.50	-0.51	-0.85	-0.78	0.71	0.55*	-3.04	-2.84	1.36	-2.61	-0.33	0.75	-1.74	-2.58	-3.56	1.00	0.21	2.88	-1.32	0.05
1972-73 SE OF DP		1.68	1.49	1.22	1.26	0.67	0.61	0.24	1.65	2.60	2.30	1.59	0.85	0.75	2.46	1.39	2.30	1.63	2.25	2.51	1.98	0.96
AGE: Ad																						
1972-73 P-VALUE	5.61	5.32	5.73	6.02	5.32	5.25	5.95	5.85	2.95	6.91	6.22	6.21	5.63	4.81	3.88	7.82	2.52	6.99	4.56	6.06	4.89	5.73
1972-73 SE OF P-VAL	0.55	1.14	0.92	0.91	1.36	0.78	0.82	0.55	1.14	2.58	1.30	[illegible]	0.96	1.00	2.58	1.62	0.88	1.71	1.64	2.35	1.45	0.76
1972-73 DELTA-P		-0.29	0.12	0.41	-0.29	-0.36	0.34	0.24	-2.66#	1.30	0.61	[illegible]	0.02	-0.80	-1.73	2.21	-3.09#	1.38	-1.05	0.45	-0.72	0.12
1972-73 SE OF DP		0.99	0.89	0.81	1.10	0.60	0.56	0.21	1.02	2.40	1.13	[illegible]	0.87	0.86	2.46	1.48	0.90	1.58	1.60	2.16	1.36	0.65
RESPONSE: 04 AGE: 13 TEXT: Scale Score 4. (Neither boring nor interesting)																						
1972-73 P-VALUE	21.68	21.06	22.16	21.70	21.83	18.85	24.30	21.79	17.22	28.17	23.16	19.66	21.51	21.05	24.28	18.92	21.66	21.63	14.00	22.05	22.25	24.00
1972-73 SE OF P-VAL	1.09	2.38	2.76	2.03	1.54	1.41	1.65	1.29	1.72	4.44	6.32	3.93	1.48	1.41	2.30	3.36	2.74	2.66	3.05	2.54	3.39	2.21
1972-73 DELTA-P		-0.62	0.48	0.02	0.15	-2.03*	2.62*	0.11	-4.46*	6.49	1.48	-2.02	-0.17	-0.63	2.60	-2.76	-0.02	-0.05	-7.68#	0.37	0.61	2.32
1972-73 SE OF DP		2.04	2.33	1.71	1.55	1.14	1.05	0.41	1.88	4.41	6.05	3.39	1.14	1.16	2.05	3.10	2.67	2.54	2.97	2.46	3.02	1.72
AGE: 17																						
1972-73 P-VALUE	22.21	21.65	19.91	23.69	23.02	20.06	24.16	22.50	19.34	23.05	26.08	25.28	22.10	20.25	28.76	29.72	18.97	21.77	25.17	23.09	21.60	20.12
1972-73 SE OF P-VAL	1.05	2.86	1.33	1.76	1.61	1.36	1.42	1.23	3.32	4.11	3.51	3.55	1.65	1.65	4.27	1.99	3.70	3.07	2.46	3.78	2.22	1.37
1972-73 DELTA-P		-0.56	-2.30	1.48	0.81	-2.15*	1.95*	0.29	-2.87	0.84	3.87	3.07	-0.11	-1.96	6.55	7.51#	-3.24	-0.44	2.96	0.88	-0.61	-2.09
1972-73 SE OF DP		2.20	1.45	1.54	1.57	0.97	0.87	0.50	3.25	4.14	3.55	3.30	1.34	1.15	4.16	2.08	3.62	2.73	2.39	3.29	2.22	1.20
AGE: Ad																						
1972-73 P-VALUE	16.53	15.41	15.20	16.59	18.59	15.38	17.60	17.08	14.20	12.58	16.07	16.35	19.27	13.75	15.34	20.48	12.28	15.88	16.03	15.32	17.57	17.11
1972-73 SE OF P-VAL	0.96	1.69	2.03	1.80	2.16	1.52	1.20	1.00	2.59	4.84	1.93	1.79	2.04	1.76	5.49	3.14	2.43	1.92	3.63	[illegible]	2.82	1.62
1972-73 DELTA-P		-1.12	-1.33	0.06	2.06	-1.15	1.07	0.55	-2.33	-3.95	-0.46	-0.18	2.74	-2.78	-1.19	3.95	-4.25	-0.65	-0.50	-1.21	1.04	[illegible]
1972-73 SE OF DP		1.55	1.82	1.51	1.79	1.01	0.93	0.41	2.51	4.53	[illegible]	1.86	1.54	1.76	5.30	3.03	2.29	1.96	3.56	3.01	2.62	1.27

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 80271

Show your personal opinion about various science topics by marking a seven position scale.

Part 7. Studying science in school is boring/interesting.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	15.00	15.61	14.10	14.86	15.38	14.98	15.02	15.71	9.83	14.78	17.01	12.62	14.14	16.54	13.03	17.42	9.58	13.76	16.49	12.22	15.82	16.37
1972-73 SE OF P-VAL	0.86	[illegible]	2.14	1.67	1.78	1.07	1.11	1.01	1.65	3.20	2.90	2.31	1.33	1.34	1.53	2.61	1.98	2.02	2.33	1.74	1.37	1.89
1972-73 DELTA-P		0.61	-0.90	-0.14	0.38	-0.02	0.02	0.71*	-5.17#	-0.22	2.01	-2.38	-0.86	1.54	-1.97	2.42	-5.42#	-1.24	1.49	-2.78	0.82	1.37
1972-73 SE OF DP		1.23	1.82	1.39	1.53	0.69	0.64	0.35	1.79	3.08	2.81	2.07	1.07	0.95	1.39	2.41	2.10	1.95	2.24	1.76	[illegible]	1.36
AGE: 17																						
1972-73 P-VALUE	17.86	17.97	18.66	16.90	18.22	19.29	16.56	17.98	19.00	13.93	14.13	19.01	17.66	19.18	10.85	15.74	19.69	19.49	11.98	16.24	21.57	18.25
1972-73 SE OF P-VAL	1.00	1.60	2.15	1.66	2.63	1.70	1.23	1.02	2.02	2.49	3.50	3.58	1.63	1.48	3.02	2.03	1.83	3.88	3.43	2.67	2.10	1.74
1972-73 DELTA-P		0.11	0.80	-0.96	0.36	1.43	-1.30	0.12	1.14	-3.93	-3.73	1.15	-0.20	1.32	-7.01*	-2.12	1.83	1.63	-5.88	-1.62	3.71	0.39
1972-73 SE OF DP		1.47	1.93	1.46	2.16	1.12	1.05	0.25	1.72	2.24	2.91	3.27	1.41	1.02	3.12	2.08	1.97	3.52	3.31	2.37	2.03	1.39
AGE: Ad																						
1972-73 P-VALUE	14.79	14.40	14.58	16.41	13.53	14.33	15.22	15.95	7.73	10.56	13.59	16.52	14.38	17.09	1.85	16.52	7.80	22.07	13.46	15.04	15.06	13.77
1972-73 SE OF P-VAL	1.09	1.85	2.58	2.56	1.55	1.44	1.40	1.19	2.06	3.76	1.96	2.09	1.68	1.87	1.30	2.55	2.17	3.35	3.07	2.62	2.46	1.89
1972-73 DELTA-P		-0.39	-0.21	1.62	-1.26	-0.46	0.43	1.16#	-7.06#	-4.23	-1.20	1.73	-0.41	2.30	-12.94#	1.73	-6.99#	7.28*	-1.33	0.25	0.27	-1.02
1972-73 SE OF DP		1.72	2.24	2.00	1.53	0.95	0.88	0.36	1.96	3.75	1.43	2.07	1.21	1.48	1.64	2.49	1.93	3.05	2.85	2.67	2.40	1.43
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	14.96	19.81	12.53	14.09	13.49	15.90	14.09	15.72	9.96	13.81	15.65	14.10	12.49	17.40	13.59	16.63	12.99	18.24	14.27	18.43	11.86	13.66
1972-73 SE OF P-VAL	0.93	2.08	2.42	1.16	1.89	1.39	0.99	1.05	2.03	2.87	6.21	2.78	1.51	1.53	2.16	1.94	2.60	3.14	3.91	3.32	2.12	1.61
1972-73 DELTA-P		4.85#	-2.43	-0.87	-1.47	0.94	-0.87	0.76*	-5.00#	-1.15	0.69	-0.86	-2.47	2.44*	-1.37	1.67	-1.97	3.28	-0.69	3.47	-3.10	-1.30
1972-73 SE OF DP		1.78	2.05	1.20	1.62	0.79	0.74	0.33	1.91	2.93	5.85	2.64	1.52	1.04	2.09	1.89	2.53	2.92	3.70	3.07	2.03	1.35
AGE: 17																						
1972-73 P-VALUE	16.93	16.99	14.96	18.16	17.03	18.17	15.80	17.88	10.78	13.82	11.76	12.62	17.27	19.42	8.59	15.98	18.70	16.66	16.41	14.42	16.41	18.47
1972-73 SE OF P-VAL	1.08	2.70	1.71	1.96	[illegible]	1.54	1.45	1.24	2.14	2.79	2.39	2.74	2.01	1.50	3.18	1.94	2.70	2.90	3.74	3.36	2.18	1.86
1972-73 DELTA-P		0.06	-1.97	1.23	0.10	1.24	-1.13	0.95#	-6.15#	-3.11	-5.17*	-4.31	0.34	2.49#	-8.34#	-0.95	1.77	-0.27	-0.52	-2.51	-0.52	1.54
1972-73 SE OF DP		2.12	1.69	1.67	1.70	1.10	0.98	0.34	2.20	2.95	2.50	2.66	1.54	0.94	3.14	1.96	2.68	2.67	3.69	2.96	2.13	1.47
AGE: Ad																						
1972-73 P-VALUE	21.94	18.58	20.08	24.47	[illegible]	24.31	19.74	23.30	15.95	12.68	14.04	21.14	23.25	29.50	15.86	20.31	21.81	22.16	22.34	19.97	22.47	22.56
1972-73 SE OF P-VAL	1.12	2.08	1.41	2.31	2.53	1.80	1.26	1.25	3.03	3.49	1.38	3.13	2.13	2.43	4.81	3.29	2.71	3.91	4.76	2.84	2.78	1.73
1972-73 DELTA-P		-3.36	-1.86	2.53	1.82	2.37*	-2.20*	1.36#	-5.99*	-9.26#	-7.90#	-0.80	1.31	7.56#	-6.08	-1.63	-0.13	0.22	0.40	-1.97	0.53	0.62
1972-73 SE OF DP		1.87	1.55	1.85	2.08	1.11	1.02	0.39	2.94	3.55	1.57	2.87	1.50	2.09	4.97	3.31	2.79	2.42	4.13	2.45	2.89	1.50
RESPONSE: 07 AGE: 13 TEXT: Scale Score 7. (Interesting)																						
1972-73 P-VALUE	18.24	16.36	25.64	16.23	15.69	20.44	16.20	15.73	36.12	19.58	15.76	30.40	19.66	13.97	21.48	13.76	23.89	14.18	23.77	16.47	15.09	20.53
1972-73 SE OF P-VAL	1.02	1.43	3.32	1.88	1.70	1.43	1.37	1.14	2.44	3.77	2.93	3.77	1.63	1.23	2.36	2.23	4.88	2.38	3.49	2.70	2.73	1.75
1972-73 DELTA-P		-1.88	7.40#	-2.01	-2.55	2.20*	-2.04*	-2.51#	17.88#	1.34	-2.48	12.16#	1.42	-4.27#	3.24	-4.48*	5.65	-4.06	5.53	-1.77	-3.15	2.29
1972-73 SE OF DP		1.45	2.77	1.60	1.57	1.01	0.92	0.44	2.16	3.86	2.99	3.53	1.30	0.90	1.94	2.13	4.83	2.18	3.41	2.47	2.45	1.37
AGE: 17																						
1972-73 P-VALUE	13.35	14.03	[illegible]	10.38	11.81	13.68	13.05	11.69	22.53	21.79	17.94	16.04	11.02	13.11	17.62	14.81	15.94	10.46	14.38	10.20	14.72	14.38
1972-73 SE OF P-VAL	0.96	2.23	[illegible]	1.42	1.21	1.40	1.26	1.08	2.75	3.07	2.96	3.01	1.39	1.34	2.94	4.29	2.40	2.74	2.18	1.69	3.85	1.79
1972-73 DELTA-P		0.68	5.11*	-2.97*	-1.54	0.33	-0.30	-1.66#	9.13#	8.44#	4.59	2.69	-2.33	-0.24	4.27	1.46	2.59	-2.89	1.03	-3.15	1.37	0.99
1972-73 SE OF DP		1.77	2.40	1.34	1.30	0.95	0.87	0.39	[illegible]	3.03	2.75	2.78	1.18	0.92	2.66	4.00	2.47	2.68	2.34	1.70	3.51	1.39
AGE: Ad																						
1972-73 P-VALUE	31.96	33.78	35.27	27.16	32.91	32.34	31.61	29.15	43.88	52.04	42.26	29.95	28.61	[illegible]	45.70	27.60	44.68	20.86	33.64	33.55	32.90	32.48
1972-73 SE OF P-VAL	1.46	2.90	2.50	2.57	3.42	1.93	1.84	1.40	4.21	6.16	2.50	[illegible]	2.36	2.45	7.13	3.31	3.86	[illegible]	5.23	4.67	3.80	1.63
1972-73 DELTA-P		1.82	3.31	-4.80*	0.95	0.38	-0.35	-2.81#	11.92#	20.08#	10.30#	[illegible]	-3.35	-6.52#	13.74*	-4.36	12.72#	-11.10#	1.68	1.59	0.94	0.52
1972-73 SE OF DP		2.54	2.42	2.18	2.79	1.24	1.15	0.62	3.81	5.83	1.99	2.69	1.88	2.04	[illegible]	3.19	3.73	2.78	4.75	4.11	3.60	1.58

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 BU271

Show your personal opinion about various science topics by marking a seven position scale.

Part G. Scientific explanations of the world are harmful/beneficial.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	4.28	4.59	4.30	4.84	3.31	5.07	3.55	3.75	8.23	4.23	6.45	7.54	4.51	2.41	6.34	2.10	8.04	3.08	7.04	3.55	6.43	3.32
1972-73 SE OF P-VAL	0.51	1.34	1.09	0.85	0.82	0.76	0.64	0.54	1.48	1.63	3.08	2.02	0.83	0.65	1.18	0.88	2.15	1.07	1.43	1.43	1.48	0.87
1972-73 DELTA-P		0.31	0.02	0.56	-0.97	0.79	-0.73	-0.53#	3.95#	-0.05	2.17	3.26	0.23	-1.87#	2.06*	-2.18*	3.76	-1.20	2.76	-0.73	2.15	-0.96
1972-73 SE OF DP		1.09	0.96	0.75	0.77	0.50	0.46	0.21	1.38	1.53	2.95	1.84	0.57	0.71	0.94	0.91	2.02	1.09	1.42	1.32	1.37	0.64
AGE: 17																						
1972-73 P-VALUE	2.13	3.57	2.18	1.78	0.84	2.30	1.98	1.19	7.39	6.72	2.77	1.50	1.77	1.19	12.75	1.13	6.65	1.08	5.73	1.08	1.78	1.70
1972-73 SE OF P-VAL	0.32	0.94	0.68	0.41	0.37	0.48	0.56	0.24	1.34	3.88	1.03	0.84	0.57	0.40	4.62	0.70	2.34	0.80	3.48	0.64	0.81	0.47
1972-73 DELTA-P		1.44	0.05	-0.35	-1.29#	0.17	-0.15	-0.94#	5.26#	4.59	0.64	-0.63	-0.36	-0.94*	10.62*	-1.00	4.52	-1.05	3.60	-1.05	-0.35	-0.43
1972-73 SE OF DP		0.73	0.61	0.41	0.41	0.44	0.40	0.24	1.31	3.71	0.97	0.88	0.57	0.41	4.43	0.71	2.35	0.79	3.33	0.66	0.78	0.41
AGE: Ad																						
1972-73 P-VALUE	1.08	1.45	1.90	0.63	0.59	1.34	0.84	0.65	4.04	2.07	0.57	0.22	1.00	0.83	11.87	0.36	1.31	0.61	3.47	1.87	0.36	0.78
1972-73 SE OF P-VAL	0.33	0.61	1.06	0.52	0.43	0.53	0.36	0.29	1.87	1.50	0.29	0.22	0.70	0.41	5.76	0.35	0.78	0.45	2.14	1.85	0.35	0.32
1972-73 DELTA-P		0.35	0.82	-0.45	-0.49	0.26	-0.24	-0.43*	2.96	0.99	-0.51	-0.86*	-0.08	-0.25	10.79	-0.72	0.23	-0.47	2.39	0.79	-0.72	-0.30
1972-73 SE OF DP		0.55	0.87	0.47	0.44	0.32	0.30	0.21	1.70	1.46	0.36	0.41	0.53	0.42	5.59	0.45	0.83	0.51	1.97	1.65	0.45	0.36
RESPONSE: 01 AGE: 13 TEXT: Scale Score 1. (Harmful)																						
1972-73 P-VALUE	2.25	1.00	2.99	2.14	[illegible]	2.51	2.01	1.18	8.30	5.61	3.83	2.66	2.10	1.09	4.94	2.04	4.19	1.38	1.85	1.86	3.87	1.82
1972-73 SE OF P-VAL	0.33	0.35	0.60	0.81	0.69	0.48	0.45	0.26	1.63	1.86	1.50	1.32	0.48	0.36	1.21	1.00	1.48	0.68	0.85	0.90	1.51	0.46
1972-73 DELTA-P		-1.25#	0.74	-0.11	0.67	0.26	-0.24	-1.07#	6.05#	3.36	1.58	0.41	-0.15	-1.16#	2.69#	-0.21	1.94	-0.87	-0.40	-0.39	1.62	-0.43
1972-73 SE OF DP		0.41	0.56	0.62	0.59	0.34	0.31	0.25	1.40	1.80	1.41	1.23	0.44	0.33	1.05	0.97	1.41	0.71	0.90	0.85	1.34	0.41
AGE: 17																						
1972-73 P-VALUE	1.34	1.18	1.31	0.75	2.28	1.44	1.25	1.30	1.47	1.75	1.44	1.48	1.22	1.33	1.74	0.24	0.61	0.77	1.46	1.32	3.41	1.23
1972-73 SE OF P-VAL	0.28	0.52	0.53	0.40	0.74	0.45	0.34	0.29	0.60	1.22	1.20	0.78	0.54	0.38	1.72	0.24	0.45	0.60	0.89	0.82	1.15	0.42
1972-73 DELTA-P		-0.16	-0.03	-0.59	0.94	0.10	-0.09	-0.04	0.13	0.41	0.10	0.14	-0.12	-0.01	0.49	-1.10#	-0.73	-0.57	0.12	-0.02	2.07	-0.11
1972-73 SE OF DP		0.45	0.50	0.38	0.61	0.30	0.27	0.09	0.57	1.13	1.13	0.73	0.44	0.32	1.67	0.35	0.47	0.56	0.86	0.74	1.04	0.35
AGE: Ad																						
1972-73 P-VALUE	0.82	0.20	1.43	1.10	0.59	0.70	0.93	0.55	2.31	2.13	1.16	1.47	0.69	0.17	1.18	1.93	0.91	0.00	0.00	1.08	0.69	1.00
1972-73 SE OF P-VAL	0.20	0.20	0.60	0.43	0.30	0.26	0.27	0.17	1.06	1.18	0.43	0.69	0.38	0.18	1.22	0.83	0.56	0.00	0.00	0.75	0.50	0.36
1972-73 DELTA-P		-0.62*	0.67	0.28	-0.23	-0.12	0.11	-0.27*	1.49	1.31	0.34	0.65	-0.13	-0.65#	0.36	1.11	0.09	-0.82#	-0.82#	0.24	-0.13	0.18
1972-73 SE OF DP		0.25	0.50	0.34	0.29	0.18	0.16	0.12	0.94	1.14	0.38	0.63	0.29	0.24	1.13	0.76	0.55	0.20	0.20	0.69	0.50	0.25
RESPONSE: 02 AGE: 13 TEXT: Scale Score 2.																						
1972-73 P-VALUE	1.52	1.16	1.35	1.48	2.07	1.45	1.58	1.48	1.61	1.93	1.42	2.07	1.70	1.38	1.27	3.53	1.95	0.14	1.38	2.22	1.98	0.95
1972-73 SE OF P-VAL	0.38	0.27	0.94	0.97	0.84	0.36	0.54	0.45	0.61	1.18	0.81	1.01	0.67	0.46	0.64	2.49	1.03	0.14	0.74	1.44	0.75	0.31
1972-73 DELTA-P		-0.36	-0.17	-0.04	0.55	-0.07	0.06	-0.04	0.09	0.41	-0.10	0.55	0.18	-0.14	-0.25	2.01	0.43	-1.38#	-0.14	0.70	0.46	-0.57
1972-73 SE OF DP		0.42	0.55	0.74	0.71	0.28	0.26	0.13	0.64	1.21	0.83	0.99	0.46	0.30	0.57	2.23	1.01	0.39	0.78	1.31	0.73	0.43
AGE: 17																						
1972-73 P-VALUE	0.71	0.16	0.21	1.01	1.41	0.43	0.37	0.77	0.35	0.41	1.07	0.89	0.72	0.62	0.56	0.13	0.21	0.93	0.00	1.06	0.56	0.93
1972-73 SE OF P-VAL	0.17	0.12	0.13	0.26	0.59	0.22	0.28	0.19	0.21	0.40	0.78	0.61	0.35	0.25	0.40	0.13	0.22	0.68	0.00	0.71	0.36	0.23
1972-73 DELTA-P		-0.55#	-0.50#	0.30	0.70	-0.28	0.26	0.06	-0.36	-0.30	0.36	0.18	0.01	-0.09	-0.15	-0.58#	-0.50	0.22	-0.71#	0.35	-0.15	0.22
1972-73 SE OF DP		0.18	0.19	0.24	0.46	0.20	0.19	0.04	0.25	0.41	0.75	0.64	0.29	0.15	0.48	0.20	0.30	0.61	0.17	0.62	0.35	0.23
AGE: Ad																						
1972-73 P-VALUE	0.78	0.59	0.91	0.99	0.62	0.87	0.69	0.62	0.94	2.88	1.28	0.55	0.74	0.40	1.38	1.19	0.30	2.41	0.87	0.00	0.39	0.59
1972-73 SE OF P-VAL	0.17	0.34	0.36	0.38	0.29	0.29	0.24	0.18	0.57	1.44	0.48	0.45	0.35	0.25	1.38	0.72	0.30	0.86	0.65	0.00	0.38	0.21
1972-73 DELTA-P		-0.19	0.13	0.21	-0.16	0.09	-0.09	-0.16	0.16	2.10	0.50	-0.23	-0.04	-0.38	0.60	0.41	-0.48	1.63*	0.09	-0.78#	-0.39	-0.19
1972-73 SE OF DP		0.30	0.33	0.30	0.26	0.21	0.20	0.10	0.55	1.37	0.42	0.45	0.28	0.25	1.34	0.68	0.32	0.76	0.62	0.17	0.37	0.19
RESPONSE: 03 AGE: 13 TEXT: Scale Score 3.																						
1972-73 P-VALUE	1.90	1.35	2.73	1.54	2.09	1.67	2.12	1.76	3.51	3.91	2.59	3.48	1.67	1.83	1.46	1.96	0.67	1.17	1.87	1.09	2.81	2.40
1972-73 SE OF P-VAL	0.34	0.56	0.64	0.59	0.87	0.44	0.52	0.37	1.14	0.55	1.57	1.38	0.49	0.59	0.57	0.86	0.46	0.56	1.12	0.72	1.25	0.47
1972-73 DELTA-P		-0.55	0.83	-0.36	0.19	-0.23	0.22	-0.14	1.61	-0.99	0.69	1.58	-0.23	-0.07	-0.44	0.06	-1.23*	-0.73	-0.03	-0.81	0.91	0.50
1972-73 SE OF DP		0.53	0.59	0.51	0.70	0.36	0.33	0.15	1.07	0.59	1.50	1.34	0.43	0.40	0.55	0.79	0.54	0.54	1.06	0.68	1.08	0.35

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part G. Scientific explanations of the world are harmful/beneficial.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03 AGE: 17 TEXT: Scale Score 3.																						
1972-73 P-VALUE	2.43	2.17	2.70	2.50	2.41	1.81	3.00	2.37	1.55	4.96	1.20	1.73	2.04	2.90	3.77	1.70	1.47	0.77	2.79	2.67	0.95	3.78
1972-73 SE OF P-VAL	0.44	0.71	1.14	0.98	0.64	0.54	0.66	0.48	0.76	1.72	0.76	0.99	0.55	0.70	1.84	0.64	0.91	0.60	1.25	1.30	0.52	0.92
1972-73 DELTA-P		-0.26	0.27	0.07	-0.02	-0.62	0.57	-0.06	-0.88	2.53	-1.23	-0.70	-0.39	0.47	1.34	-0.73	-0.96	-1.66#	0.36	0.24	-1.48*	1.35*
1972-73 SE OF DP		0.65	0.98	0.77	0.64	0.43	0.40	0.14	0.73	1.64	0.70	0.81	0.48	0.47	1.66	0.76	0.95	0.66	1.22	1.14	0.60	0.67
AGE: Ad																						
1972-73 P-VALUE	1.59	1.22	1.73	2.13	1.21	1.21	1.94	1.63	1.43	1.27	1.33	2.04	1.40	1.86	1.10	2.38	3.63	0.59	0.00	1.72	0.78	1.84
1972-73 SE OF P-VAL	0.36	0.57	0.54	0.93	0.60	0.56	0.48	0.41	0.86	0.85	0.50	0.75	0.45	1.06	1.10	0.88	1.90	0.57	0.00	0.88	0.49	0.71
1972-73 DELTA-P		-0.37	0.14	0.54	-0.38	-0.38	0.35	0.04	-0.16	-0.32	-0.26	0.45	-0.19	0.27	-0.49	0.79	2.04	-1.00	-1.59#	0.13	-0.81	0.25
1972-73 SE OF DP		0.55	0.55	0.70	0.55	0.39	0.36	0.12	0.85	0.87	0.53	0.68	0.42	0.82	1.10	0.91	1.79	0.61	0.36	0.84	0.55	0.49
RESPONSE: 04 AGE: 13 TEXT: Scale Score 4. (Neither harmful nor beneficial)																						
1972-73 P-VALUE	18.37	17.40	17.93	18.17	19.93	17.87	18.83	17.94	20.13	20.90	15.76	16.96	20.65	16.70	20.00	16.95	21.43	15.93	16.41	21.86	20.29	17.41
1972-73 SE OF P-VAL	0.86	1.71	2.16	1.57	1.59	1.27	1.10	0.96	1.97	3.81	4.21	2.81	1.71	1.38	2.10	2.46	2.59	2.11	2.39	2.50	1.62	1.57
1972-73 DELTA-P		-0.97	-0.44	-0.20	1.56	-0.50	0.46	-0.43	1.76	2.53	-2.61	-1.41	2.28	-1.67	1.63	-1.42	3.06	-2.38	-1.96	3.51	1.92	-0.96
1972-73 SE OF DP		1.51	1.82	1.34	1.44	0.85	0.78	0.38	1.84	3.71	4.03	2.91	1.53	0.94	1.93	2.35	2.51	2.10	2.29	2.30	1.69	1.17
AGE: 17																						
1972-73 P-VALUE	16.63	14.42	13.56	18.31	19.78	17.33	15.99	16.60	17.42	15.60	17.06	23.50	16.54	15.18	16.50	18.34	13.67	16.53	17.03	13.31	16.30	18.47
1972-73 SE OF P-VAL	0.96	1.35	2.02	2.27	1.61	1.25	1.35	1.13	2.56	2.76	3.34	4.09	1.92	1.50	3.02	3.28	2.46	2.69	4.44	2.19	2.19	1.75
1972-73 DELTA-P		-2.21	-3.07	1.68	3.15*	0.70	-0.64	-0.03	0.79	-1.03	0.43	6.87	-0.09	-1.45	-0.13	1.71	-2.96	-0.10	0.40	-3.32	-0.33	1.84
1972-73 SE OF DP		1.31	1.84	1.75	1.49	0.93	0.84	0.34	2.65	2.77	3.25	3.75	1.72	1.15	3.06	3.08	2.44	2.56	4.20	1.95	2.28	1.37
AGE: Ad																						
1972-73 P-VALUE	10.66	9.59	10.22	11.91	10.62	11.00	10.35	10.73	11.11	8.77	11.51	10.25	9.90	10.66	13.70	10.17	9.89	10.66	9.86	7.25	13.12	11.40
1972-73 SE OF P-VAL	0.72	1.51	1.45	1.40	1.38	1.15	0.96	0.81	2.24	2.09	1.73	1.61	1.34	1.55	3.83	1.91	1.91	2.77	2.36	2.14	3.87	1.14
1972-73 DELTA-P		-1.07	-0.44	1.25	-0.04	0.34	-0.31	0.07	0.45	-1.89	0.85	-0.41	-0.76	0.00	3.04	-0.49	-0.77	0.00	-0.80	-3.41	2.46	0.74
1972-73 SE OF DP		1.31	1.32	1.15	1.20	0.80	0.75	0.29	2.22	1.97	1.50	1.59	1.21	1.31	3.68	1.98	1.98	2.52	2.32	2.03	3.22	0.97
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	18.01	18.04	13.12	21.56	18.28	17.38	18.60	18.96	13.15	14.10	20.04	14.70	18.13	17.37	20.53	29.44	15.30	19.63	15.67	18.11	16.10	15.84
1972-73 SE OF P-VAL	0.76	1.77	1.44	0.96	1.68	1.11	1.20	0.96	1.78	2.88	3.35	2.45	1.53	1.41	2.20	1.55	3.44	2.03	1.59	1.91	1.64	1.61
1972-73 DELTA-P		0.03	-4.89#	3.55#	0.27	-0.63	0.59	0.95#	-4.86#	-3.91	2.03	-3.31	0.12	-0.64	2.52	11.43#	-2.71	1.62	-2.34	0.10	-1.91	-2.17
1972-73 SE OF DP		1.49	1.25	0.99	1.42	0.91	0.85	0.36	1.93	2.93	3.05	2.34	1.43	1.11	2.16	1.67	3.22	1.87	1.65	1.83	1.66	1.20
AGE: 17																						
1972-73 P-VALUE	16.36	14.59	14.96	19.41	15.88	16.40	16.33	17.15	11.27	13.74	15.42	13.11	19.03	15.43	16.00	22.87	15.61	10.82	16.92	17.49	17.78	15.63
1972-73 SE OF P-VAL	0.84	1.80	1.44	1.76	1.53	1.36	1.37	0.89	2.27	3.63	3.61	2.67	1.75	1.36	3.53	2.93	3.51	2.69	3.21	2.48	3.10	1.50
1972-73 DELTA-P		-1.77	-1.40	3.05*	-0.48	0.04	-0.03	0.79*	-5.09*	-2.62	-0.94	-3.25	2.67	-0.93	-0.36	6.51*	-0.75	-5.54*	0.56	1.13	1.42	-0.73
1972-73 SE OF DP		1.47	1.39	1.45	1.40	1.12	1.02	0.33	2.16	3.47	3.45	2.62	1.65	0.95	3.41	2.84	3.26	2.44	3.02	2.17	3.15	1.46
AGE: Ad																						
1972-73 P-VALUE	12.22	11.92	12.70	11.07	13.39	11.69	12.72	12.77	11.09	6.10	9.53	14.15	13.79	12.34	6.95	14.92	8.40	14.57	15.18	9.80	11.24	12.13
1972-73 SE OF P-VAL	0.84	2.16	1.77	1.20	1.63	1.22	1.16	0.98	2.56	1.63	1.38	2.21	1.49	1.57	3.20	3.57	1.89	2.91	3.80	1.75	2.23	1.01
1972-73 DELTA-P		-0.30	0.48	-1.15	1.17	-0.53	0.50	0.55	-1.13	-6.12#	-2.69*	1.93	1.57	0.12	-5.27	2.70	-3.82	2.35	2.96	-2.42	-0.98	-0.09
1972-73 SE OF DP		1.77	1.59	1.14	1.42	0.87	0.81	0.35	2.55	1.77	1.25	2.00	1.20	1.22	3.30	3.34	1.96	2.53	3.54	1.49	2.15	0.94
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	20.99	20.56	17.97	21.29	23.79	20.14	21.78	22.07	13.62	19.79	24.77	17.96	17.84	24.87	17.00	13.10	19.19	26.22	18.69	23.34	17.77	22.62
1972-73 SE OF P-VAL	0.87	1.75	1.63	1.89	1.54	1.10	1.25	1.01	1.87	3.59	4.34	4.18	1.64	1.57	2.36	1.75	2.94	2.97	3.91	3.11	1.93	1.28
1972-73 DELTA-P		-0.43	-3.02*	0.30	2.80*	-0.85	0.79	1.08#	-7.37#	-1.20	3.78	-3.03	-3.15*	3.88#	-3.99	-7.89#	-1.80	5.23	-2.30	2.35	-3.22	1.63
1972-73 SE OF DP		1.54	1.51	1.51	1.38	0.83	0.77	0.35	1.92	3.51	4.29	3.92	1.56	1.29	2.17	1.81	2.75	2.79	3.82	2.90	1.79	1.07
AGE: 17																						
1972-73 P-VALUE	27.02	25.89	26.54	27.57	28.07	26.51	27.48	27.89	19.04	28.48	27.58	24.44	25.98	29.58	14.74	22.36	26.33	33.23	20.82	30.55	27.58	25.57
1972-73 SE OF P-VAL	0.90	2.03	2.11	1.36	1.78	1.24	1.50	1.05	2.83	4.16	3.11	3.76	1.51	1.69	3.64	2.43	2.74	3.66	1.81	2.55	1.82	1.72
1972-73 DELTA-P		-1.13	-0.48	0.55	1.05	-0.5[illegible]	0.46	0.87	-7.98#	1.46	0.56	-2.58	-1.04	2.56*	-12.28#	-4.66	-0.69	6.21	-6.20#	3.53	0.56	-1.45
1972-73 SE OF DP		1.65	1.86	1.26	1.59	1.11	1.00	0.46	2.75	4.21	2.99	3.57	1.53	1.26	3.57	2.53	2.74	3.30	1.83	2.35	1.84	1.38

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part G. Scientific explanations of the world are harmful/beneficial.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 06 AGE: Ad TEXT: Scale Score 6.																						
1972-73 P-VALUE	24.23	23.15	20.56	22.68	29.96	22.97	25.4[illegible]	24.92	15.90	29.31	20.13	22.08	25.42	28.94	18.71	18.63	23.13	27.70	19.99	25.52	19.27	26.44
1972-73 SE OF P-VAL	1.22	2.44	1.84	2.03	3.07	1.58	1.63	1.41	2.75	5.60	2.41	2.57	1.97	2.38	6.94	2.64	3.33	3.39	3.03	2.43	3.09	2.28
1972-73 DELTA-P		-1.08	-3.67	-1.54	5.73*	-1.26	1.17	0.69	-8.33#	5.08	-4.10*	-2.15	1.19	4.71#	-5.52	-5.60*	-1.10	3.47	-4.24	1.29	-4.96	2.21
1972-73 SE OF DP		2.14	1.84	1.80	2.45	1.09	1.00	0.45	3.09	5.30	1.99	2.64	1.45	1.82	7.15	2.66	3.46	3.20	3.09	2.44	2.93	1.45
RESPONSE: 07 AGE: 13 TEXT: Scale Score 7. (Beneficial)																						
1972-73 P-VALUE	32.69	35.90	39.62	28.99	27.62	33.93	31.54	32.87	31.45	32.53	25.15	34.65	33.42	34.36	28.47	30.88	29.23	32.40	37.09	27.96	30.75	35.65
1972-73 SE OF P-VAL	1.18	1.86	3.32	1.80	2.09	1.85	1.64	1.36	2.49	3.72	7.77	4.10	1.62	1.86	2.69	3.28	4.29	3.84	3.69	3.28	2.05	2.34
1972-73 DELTA-P		3.21	6.93#	-3.70*	-5.07#	1.24	-1.15	0.18	-1.24	-0.16	-7.54	1.96	0.73	1.67	-4.22	-1.81	-3.46	-0.29	4.40	-4.73	-1.94	2.96
1972-73 SE OF DP		1.78	2.89	1.68	1.88	1.33	1.24	0.84	2.58	3.57	7.13	3.70	1.78	1.34	2.52	3.11	4.07	3.58	3.78	3.21	2.16	1.77
AGE: 17																						
1972-73 P-VALUE	33.36	38.00	38.53	28.64	29.31	33.77	32.98	32.71	41.49	28.32	33.45	33.34	32.68	33.75	33.91	33.22	35.44	35.85	35.23	32.50	31.61	32.68
1972-73 SE OF P-VAL	0.99	1.35	1.93	2.24	2.02	1.73	1.26	1.11	3.73	4.96	4.67	3.19	2.45	1.70	5.37	3.24	2.21	2.91	4.70	2.46	2.69	1.60
1972-73 DELTA-P		4.64#	5.17#	-4.72#	-4.05*	0.41	-0.38	-0.65	8.13*	-5.04	0.09	-0.02	-0.68	0.39	0.55	-0.14	2.08	2.49	1.87	-0.86	-1.75	-0.68
1972-73 SE OF DP		1.30	1.77	1.77	1.79	1.19	1.09	0.55	3.69	4.68	4.29	3.21	2.33	1.49	4.95	3.06	2.28	2.66	4.34	2.22	2.62	1.36
AGE: Ad																						
1972-73 P-VALUE	48.62	51.90	50.55	49.48	43.02	50.22	47.13	48.13	53.18	47.46	54.49	49.24	47.05	44.79	45.12	50.42	52.42	43.46	50.64	52.77	54.16	45.82
1972-73 SE OF P-VAL	1.32	2.70	2.56	2.48	2.81	1.93	1.70	1.45	3.91	5.50	2.43	3.23	2.46	2.49	6.99	3.54	3.97	4.15	3.73	3.80	4.94	2.20
1972-73 DELTA-P		3.28	1.93	0.86	-5.60*	1.60	-1.49	-0.49	4.56	-1.16	5.87#	0.62	-1.57	-3.83	-3.50	1.80	3.80	-5.16	2.02	4.15	5.54	-2.80
1972-73 SE OF DP		2.36	2.35	2.09	2.36	1.29	1.20	0.62	3.85	5.12	2.19	2.91	1.87	2.08	7.22	3.52	4.05	3.76	3.74	3.45	4.77	1.70

EXERCISE: 303009-234 RU271

Part H. Scientific explanations of the world are boring/interesting.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.96	1.81	1.73	2.35	1.86	2.18	1.76	1.53	5.33	1.70	2.24	2.90	1.75	0.85	4.89	1.08	1.82	1.44	3.78	1.47	4.92	1.03
1972-73 SE OF P-VAL	0.38	0.68	0.62	0.93	0.62	0.45	0.51	0.34	1.63	0.82	1.19	1.09	0.59	0.29	1.58	0.61	0.95	0.66	1.23	0.74	1.69	0.46
1972-73 DELTA-P		-0.15	-0.23	0.39	-0.10	0.22	-0.20	-0.43*	3.37*	-0.26	0.28	0.94	-0.23	-1.11#	2.93*	-0.88	-0.14	-0.52	1.82	-0.49	2.96	-0.93*
1972-73 SE OF DP		0.62	0.59	0.71	0.58	0.31	0.29	0.20	1.43	0.79	1.16	0.97	0.46	0.40	1.35	0.68	0.87	0.64	1.17	0.74	1.50	0.41
AGE: 17																						
1972-73 P-VALUE	1.61	2.66	2.38	1.06	0.40	1.55	1.67	1.11	4.77	3.49	1.52	1.76	1.07	0.93	10.61	2.52	1.63	0.00	4.38	1.77	0.98	1.48
1972-73 SE OF P-VAL	0.35	0.70	0.90	0.70	0.29	0.52	0.52	0.38	2.00	0.80	1.18	0.91	0.69	0.40	2.77	1.86	0.79	0.00	1.17	1.09	0.75	0.61
1972-73 DELTA-P		1.05	0.77	-0.55	-1.21#	-0.06	0.06	-0.50*	3.16	1.88*	-0.09	0.15	-0.54	-0.68	9.00#	0.91	0.02	-1.61#	2.77*	0.16	-0.63	-0.13
1972-73 SE OF DP		0.57	0.77	0.58	0.42	0.40	0.37	0.23	1.85	0.86	1.03	0.93	0.52	0.38	2.69	1.69	0.84	0.35	1.19	0.95	0.73	0.49
AGE: Ad																						
1972-73 P-VALUE	1.60	1.79	2.00	1.66	1.02	1.59	1.61	0.92	6.10	3.42	1.49	1.82	1.07	1.00	11.16	0.35	3.27	0.61	6.28	2.53	0.00	0.96
1972-73 SE OF P-VAL	0.47	0.57	1.11	1.20	0.62	0.6[illegible]	0.48	0.33	3.38	2.34	0.57	1.24	0.75	0.51	5.59	0.35	1.19	0.45	3.85	1.93	0.00	0.46
1972-73 DELTA-P		0.19	0.40	0.06	-0.58	-0.01	0.01	-0.68	4.50	1.82	-0.11	0.22	-0.53	-0.60	9.56	-1.25*	1.67	-0.99	4.68	0.93	-1.60#	-0.64
1972-73 SE OF DP		0.62	0.96	0.91	0.64	0.37	0.34	0.38	3.04	2.27	0.60	0.98	0.65	0.61	5.28	0.56	1.23	0.62	3.51	1.75	0.87	0.51
RESPONSE: 01 AGE: 13 TEXT: Scale Score 1. (Boring)																						
1972-73 P-VALUE	7.57	6.83	6.30	8.75	8.07	7.93	7.24	7.59	8.77	5.08	5.31	7.38	9.23	6.49	8.07	8.38	8.74	6.82	6.36	8.71	8.83	6.72
1972-73 SE OF P-VAL	0.66	1.34	1.21	1.45	1.16	0.92	0.84	0.77	1.62	2.73	1.93	2.06	1.23	1.00	1.61	4.08	2.11	1.37	1.19	1.91	1.35	0.99
1972-73 DELTA-P		-0.74	-1.27	1.18	0.50	0.36	-0.33	0.02	1.20	-2.49	-2.26	-0.19	1.66	-1.08	0.50	0.81	1.17	-0.75	-1.21	1.14	1.26	-0.[illegible]5
1972-73 SE OF DP		1.17	1.12	1.15	1.06	0.62	0.57	0.31	1.62	2.66	2.12	1.96	1.01	0.69	1.43	3.79	2.08	1.25	1.28	1.74	1.27	0.94
AGE: 17																						
1972-73 P-VALUE	3.75	3.60	3.06	4.10	4.09	3.41	4.06	3.88	3.65	2.02	3.43	4.64	5.27	2.30	6.20	2.93	4.27	1.59	1.62	6.27	3.05	4.18
1972-73 SE OF P-VAL	0.47	0.94	0.91	0.79	1.08	0.78	0.78	0.49	1.14	0.83	1.16	1.44	1.08	0.63	2.61	1.56	1.34	0.84	1.03	1.38	1.19	0.69
1972-73 DELTA-P		-0.15	-0.69	0.35	0.34	-0.34	0.31	0.13	-0.10	-1.73	-0.32	0.89	1.52	-1.45*	2.45	-0.82	0.52	-2.16#	-2.13	2.52*	-0.70	0.43
1972-73 SE OF DP		0.78	0.84	0.69	0.92	0.65	0.59	0.14	1.00	0.88	1.19	1.41	0.84	0.58	2.49	1.52	1.62	0.77	1.07	1.20	1.09	0.59

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 BU271

Show your personal opinion about various science topics by marking a seven position scale.

Part B. Scientific explanations of the world are boring/interesting.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE AND TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01 AGE: Ad — TEXT: Scale Score 1. (Boring)																						
1972-73 P-VALUE	1.80	1.80	1.30	2.04	1.94	1.94	1.67	1.63	1.90	4.17	2.32	3.71	0.78	1.24	2.50	1.80	1.14	1.45	1.97	3.18	1.38	1.75
1972-73 SE OF P-VAL	0.34	0.52	0.56	0.71	0.82	0.51	0.46	0.38	1.10	2.75	0.87	1.18	0.36	0.52	1.76	0.76	0.78	0.80	1.73	1.71	0.85	0.56
1972-73 DELTA-P		0.00	-0.50	0.24	0.14	0.14	-0.13	-0.17	[illegible]	2.37	0.52	1.91	-1.02*	-0.56	0.70	0.00	-0.66	-0.35	0.17	1.38	-0.42	-0.05
1972-73 SE OF DP		0.50	0.55	0.57	0.66	0.36	0.34	0.18	1.13	2.64	0.72	0.99	0.45	0.51	1.70	0.78	0.85	0.75	1.66	1.57	0.85	0.44
RESPONSE: 02 AGE: 13 — TEXT: Scale Score 2.																						
1972-73 P-VALUE	4.53	4.74	4.13	4.52	4.70	3.92	5.10	4.88	2.78	2.96	4.69	2.28	3.69	6.16	2.93	2.81	2.78	6.37	5.56	5.41	4.61	4.09
1972-73 SE OF P-VAL	0.49	0.96	1.30	0.89	0.77	0.63	0.67	0.62	0.98	1.42	1.95	0.95	0.79	0.74	0.96	2.04	1.41	1.81	1.68	1.35	1.67	0.95
1972-73 DELTA-P		0.21	-0.40	-0.01	0.17	-0.61	0.57	0.35	-1.75	-1.57	0.16	-2.25*	-0.84	1.63#	-1.60	-1.72	-1.75	1.84	1.03	0.88	0.08	-0.44
1972-73 SE OF DP		0.95	[illegible]	0.76	0.74	0.45	0.41	0.20	1.04	1.47	1.76	0.94	0.64	0.54	0.89	1.98	1.42	1.66	1.65	1.31	1.56	0.80
AGE: 17																						
1972-73 P-VALUE	4.23	4.83	3.13	3.95	4.82	3.14	5.22	4.54	1.87	3.84	3.38	1.98	4.23	4.90	3.75	4.12	5.79	3.89	4.89	5.88	4.76	2.92
1972-73 SE OF P-VAL	0.46	0.91	0.76	0.93	1.04	0.59	0.70	0.52	0.85	1.77	1.27	0.84	0.93	0.75	2.39	1.48	2.19	1.53	2.12	1.35	1.23	0.75
1972-73 DELTA-P		0.60	-1.10	-0.28	0.59	-1.09*	0.99*	[illegible]	-2.36#	-0.39	-0.85	-2.25*	0.00	0.67	-0.48	-0.11	1.56	-0.34	0.66	1.65	0.53	-1.31
1972-73 SE OF DP		0.77	0.75	0.76	0.89	0.48	0.44	0.16	0.89	1.70	[illegible]	0.95	0.75	0.54	2.31	1.45	2.13	1.42	2.05	1.21	1.21	0.69
AGE: Ad																						
1972-73 P-VALUE	1.47	1.12	1.11	2.32	1.14	1.61	1.34	1.53	1.63	0.32	1.05	1.19	2.04	1.54	0.00	2.17	1.68	2.25	1.62	0.90	1.28	1.21
1972-73 SE OF P-VAL	0.26	0.36	0.56	0.60	0.51	0.41	0.33	0.29	0.49	0.30	0.50	0.61	0.56	0.56	0.00	1.00	0.96	0.92	1.22	0.62	0.63	0.40
1972-73 DELTA-P		-0.35	-0.36	0.85	-0.33	0.14	-0.13	0.06	0.16	-1.15#	-0.42	-0.28	0.57	0.07	-1.47#	0.70	0.21	0.78	0.15	-0.57	-0.19	-0.26
1972-73 SE OF DP		0.37	0.50	0.47	0.44	0.27	0.25	0.06	0.46	0.37	0.47	0.58	0.47	0.46	0.26	0.98	0.91	0.82	1.14	0.61	0.59	0.36
RESPONSE: 03 AGE: 13 — TEXT: Scale Score 3.																						
1972-73 P-VALUE	7.77	6.35	4.91	10.03	9.10	7.14	8.36	8.50	2.35	7.82	10.39	5.87	7.72	8.47	5.93	9.16	7.25	7.57	3.89	11.58	7.37	7.18
1972-73 SE OF P-VAL	0.58	1.01	0.79	1.20	1.32	0.80	0.97	0.67	0.73	2.20	2.22	1.62	0.93	0.92	1.44	0.99	1.36	1.48	1.19	2.31	2.05	0.77
1972-73 DELTA-P		-1.42	-2.86#	2.26*	1.33	-0.63	0.59	0.73#	-5.42#	0.05	2.62	-1.90	-0.05	0.70	-1.84	1.39	-0.52	-0.20	-3.88#	3.81	-0.40	-0.59
1972-73 SE OF DP		0.93	0.81	0.96	1.10	0.71	0.66	0.20	0.87	2.13	2.16	1.70	0.74	0.68	1.22	1.03	1.37	1.33	1.34	2.08	1.93	0.71
AGE: 17																						
1972-73 P-VALUE	6.37	7.51	4.48	6.99	5.90	6.02	6.69	6.44	5.86	6.25	10.39	6.95	5.91	5.80	7.18	7.54	5.09	4.82	6.51	7.67	4.95	6.74
1972-73 SE OF P-VAL	0.67	1.54	1.23	1.26	1.21	0.90	0.81	0.70	1.60	2.70	2.69	2.05	0.98	1.08	1.86	1.44	1.14	1.55	1.82	1.69	1.38	1.38
1972-73 DELTA-P		1.14	-1.89	0.62	-0.47	-0.35	0.32	0.07	-0.51	-0.12	4.02	0.58	-0.46	-0.57	0.81	1.17	-1.28	-1.55	0.14	1.30	-1.42	0.37
1972-73 SE OF DP		1.25	1.15	1.05	1.11	0.55	0.51	0.24	1.40	2.63	2.65	1.89	0.84	0.74	1.87	1.39	1.32	1.46	1.81	1.53	1.39	0.98
AGE: Ad																						
1972-73 P-VALUE	2.86	2.38	3.33	3.35	2.38	2.34	3.34	2.95	2.14	2.79	4.66	3.94	2.04	1.62	1.10	3.69	2.20	1.83	2.68	3.86	2.95	2.91
1972-73 SE OF P-VAL	0.32	0.66	0.70	0.57	0.68	0.53	0.48	0.38	0.80	1.87	1.01	1.09	0.57	0.63	1.10	1.17	0.95	0.89	1.25	1.36	0.91	0.48
1972-73 DELTA-P		-0.48	0.47	0.49	-0.48	-0.52	0.48	0.09	-0.72	-0.07	1.80*	1.08	-0.82	-1.24*	-1.76	0.83	-0.66	-1.03	-0.18	1.00	0.09	0.05
1972-73 SE OF DP		0.57	0.62	0.49	0.57	0.40	0.37	0.16	0.82	1.82	0.88	1.11	0.52	0.54	1.10	1.13	0.91	0.93	1.18	1.25	0.88	0.42
RESPONSE: 04 AGE: 13 — TEXT: Scale Score 4. (Neither boring nor interesting)																						
1972-73 P-VALUE	20.74	20.22	19.45	21.43	21.60	17.92	23.36	21.46	17.69	16.55	21.73	18.63	22.43	19.02	22.69	27.14	22.01	16.10	16.85	19.90	23.29	20.63
1972-73 SE OF P-VAL	0.87	1.74	0.88	1.29	2.55	1.15	1.43	1.01	1.88	2.66	4.08	3.47	1.64	1.81	2.23	1.52	4.29	1.72	3.51	1.89	2.45	1.14
1972-73 DELTA-P		-0.52	-1.29	0.69	0.86	-2.82#	2.62#	0.72*	-3.05	-4.19	0.99	-2.11	1.69	-1.72	1.95	6.40#	1.27	-4.64#	-3.89	-0.84	2.55	-0.11
1972-73 SE OF DP		1.52	1.09	1.21	2.00	1.01	0.94	0.32	1.92	2.65	3.93	3.28	1.57	1.39	2.28	1.62	3.81	1.65	3.33	1.85	2.14	1.00
AGE: 17																						
1972-73 P-VALUE	17.07	15.36	14.48	19.01	18.91	16.14	17.92	17.19	17.08	15.41	13.95	23.46	18.82	15.01	17.41	17.25	17.89	17.32	13.88	15.76	17.08	18.14
1972-73 SE OF P-VAL	0.89	2.11	1.36	1.91	1.38	1.40	1.19	0.98	2.68	2.73	2.90	3.69	1.53	1.29	3.35	4.09	1.96	2.24	1.23	2.35	2.59	2.15
1972-73 DELTA-P		-1.71	-2.59	1.94	1.84	-0.93	0.85	0.11	0.01	-1.66	-3.12	6.39	1.75	-2.06*	0.34	0.18	0.82	0.25	-3.19*	-1.31	0.01	1.07
1972-73 SE OF DP		1.71	1.38	1.53	1.35	0.98	0.90	0.34	2.53	2.69	2.95	3.46	1.19	0.94	3.34	3.95	1.91	2.06	1.40	2.11	2.74	1.77
AGE: Ad																						
1972-73 P-VALUE	12.71	12.63	11.11	15.69	10.77	10.02	15.21	13.26	8.98	11.37	14.59	11.40	12.25	12.59	10.21	8.52	10.18	12.37	11.98	9.64	13.64	15.04
1972-73 SE OF P-VAL	0.86	1.70	1.36	1.76	1.72	1.48	1.14	0.93	2.11	3.46	2.03	1.72	1.56	1.89	3.57	1.65	2.25	2.33	3.60	1.98	2.45	1.59
1972-73 DELTA-P		-0.08	-1.60	2.98*	-1.94	-2.69#	2.50#	0.55	-3.73	-1.34	1.88	-1.31	-0.46	-0.12	-2.50	-4.19#	-2.53	-0.34	-0.73	-3.07	0.93	2.33*
1972-73 SE OF DP		1.50	1.35	1.40	1.47	0.98	0.88	0.34	2.12	3.17	1.57	1.69	1.38	1.70	3.58	1.67	2.13	2.20	3.43	1.99	2.31	1.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 NU271

Show your personal opinion about various science topics by marking a seven position scale.

Part B. Scientific explanations of the world are boring/interesting.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	13.87	13.78	14.18	13.52	13.96	13.14	14.55	14.18	11.52	14.01	9.80	11.89	13.06	15.51	13.70	9.27	16.22	15.88	17.64	11.02	15.34	13.51
1972-73 SE OF P-VAL	0.84	1.52	1.45	1.95	1.58	1.17	1.19	0.92	1.88	2.86	3.60	2.62	1.47	1.21	2.30	2.98	3.18	2.04	4.56	2.09	1.99	1.25
1972-73 DELTA-P		-0.09	0.31	-0.25	0.09	-0.73	0.68	0.31	-2.35	0.14	-4.07	-1.98	-0.81	1.64	-0.17	-4.60	2.35	2.01	3.77	-2.85	1.47	-0.36
1972-73 SE OF DP		1.38	1.37	1.52	1.40	0.86	0.79	0.30	1.85	2.71	3.45	2.57	1.23	0.96	2.00	2.82	3.06	1.89	4.25	2.13	1.79	1.13
AGE: 17																						
1972-73 P-VALUE	18.94	20.13	16.99	20.94	16.77	18.40	19.43	20.02	13.48	12.50	[illegible]	18.44	18.98	19.90	12.07	17.30	17.67	19.14	16.50	20.11	22.03	18.43
1972-73 SE OF P-VAL	0.89	2.25	2.11	1.37	1.17	1.42	1.31	1.03	1.95	3.60	3.48	2.79	1.60	1.34	2.79	1.76	1.99	3.20	2.16	3.04	3.19	1.45
1972-73 DELTA-P		1.19	-1.95	2.00	-2.17	-0.54	0.49	1.08#	-5.46#	[illegible]	-0.58	-0.50	0.04	0.96	-6.87#	-1.64	-1.27	0.20	-2.44	1.17	3.09	-0.51
1972-73 SE OF DP		1.78	1.84	1.27	1.23	1.08	0.98	0.35	1.92	[illegible]	3.40	2.70	1.40	0.84	2.73	1.71	1.93	2.90	2.41	2.75	3.02	1.20
AGE: Ad																						
1972-73 P-VALUE	15.61	16.24	15.96	14.41	16.08	16.58	14.71	16.57	11.98	7.94	13.20	18.95	18.72	13.21	5.40	15.51	12.17	19.92	13.28	13.89	17.50	15.46
1972-73 SE OF P-VAL	0.91	2.00	2.39	1.63	1.38	1.48	1.31	0.98	2.47	1.79	1.52	2.39	2.08	1.50	2.70	2.64	2.81	3.47	2.63	2.96	2.87	1.50
1972-73 DELTA-P		0.63	0.35	-1.20	0.47	0.97	-0.90	0.96#	-3.63	-7.67#	-2.41	3.34	3.11*	-2.40	-10.21#	-6.10	-3.44	4.31	-2.33	-1.72	1.89	-0.15
1972-73 SE OF DP		1.71	2.03	1.41	1.32	1.10	1.02	0.28	2.32	1.85	1.58	2.17	1.48	1.42	2.92	2.66	2.72	3.12	2.50	2.75	2.83	1.30
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	17.98	22.51	16.84	15.30	17.76	18.57	17.44	18.01	14.13	24.48	16.15	19.71	16.03	20.44	15.06	17.46	16.32	23.93	17.34	22.24	11.33	17.32
1972-73 SE OF P-VAL	0.81	1.26	1.50	1.81	1.59	1.15	1.05	0.89	2.35	3.30	2.29	3.21	1.50	1.32	2.24	2.30	2.62	2.75	2.40	2.85	2.44	1.37
1972-73 DELTA-P		4.53#	-1.14	-2.68	-0.22	0.59	-0.54	0.03	-3.85	6.50*	-1.83	1.73	-1.95	2.46#	-2.92	-0.52	-1.66	5.95*	-0.64	4.26	-6.65#	-0.66
1972-73 SE OF DP		1.19	1.37	1.43	1.39	0.78	0.72	0.37	2.23	3.19	2.46	2.99	1.24	0.96	2.18	2.26	2.75	2.55	2.40	2.63	2.25	1.17
AGE: 17																						
1972-73 P-VALUE	23.08	21.82	[illegible]	23.91	23.12	23.79	22.43	23.88	19.33	17.80	14.98	18.40	22.91	27.60	10.23	19.39	17.93	27.21	24.54	21.26	23.22	24.08
1972-73 SE OF P-VAL	0.98	1.91	1.67	2.16	1.92	1.41	1.15	1.05	2.08	3.86	2.48	2.79	1.96	1.48	3.79	4.16	2.65	2.26	4.27	3.03	2.00	1.12
1972-73 DELTA-P		-1.26	0.46	0.83	0.04	0.71	-0.65	0.80#	-3.75	-5.28	-8.10#	-4.68	-0.17	3.92#	-12.85#	-3.69	-5.15*	4.13*	1.46	-1.82	0.14	1.00
1972-73 SE OF DP		1.63	1.62	1.72	1.71	0.86	0.78	0.32	1.95	3.72	2.47	2.70	1.60	1.10	3.67	3.80	2.48	1.99	4.17	2.77	1.96	1.06
AGE: Ad																						
1972-73 P-VALUE	23.57	21.43	22.79	24.26	25.44	23.73	23.42	24.03	18.08	26.92	20.45	19.61	23.93	29.39	19.17	30.65	18.60	25.06	27.56	26.02	20.49	22.11
1972-73 SE OF P-VAL	1.28	2.56	2.88	2.18	2.72	1.92	1.72	1.30	3.50	6.35	2.55	2.15	1.97	2.54	7.44	5.20	3.05	2.83	5.53	3.61	1.83	1.75
1972-73 DELTA-P		-2.14	-0.78	0.69	1.87	0.16	-0.15	0.46	-5.49	3.35	-3.12	-3.96*	0.36	5.82*	-4.40	7.08	-4.97	1.49	3.99	2.45	-3.08	-1.46
1972-73 SE OF DP		2.26	2.54	1.91	2.26	1.34	1.25	0.52	3.12	6.05	1.93	1.97	1.48	2.34	7.42	4.85	2.93	2.64	5.20	3.28	1.93	1.30
RESPONSE: 07 AGE: 13 TEXT: Scale Score 7. (Interesting)																						
1972-73 P-VALUE	25.58	23.75	32.46	24.00	22.95	29.22	22.21	23.85	37.43	27.39	29.70	31.33	26.12	23.04	26.72	24.70	24.86	21.89	28.57	19.67	24.31	29.53
1972-73 SE OF P-VAL	1.14	1.82	2.05	2.71	2.04	1.61	1.39	1.36	2.83	3.66	6.72	4.18	1.62	1.59	3.13	3.91	4.84	3.64	4.23	3.08	2.47	1.43
1972-73 DELTA-P		-1.83	6.88#	-1.58	-2.63	3.64#	-3.37#	-1.73#	11.85#	1.81	4.12	5.75	0.54	-2.54*	1.14	-0.88	-0.72	-3.69	2.99	-5.91*	-1.27	3.95#
1972-73 SE OF DP		1.75	1.90	2.11	1.85	1.01	0.96	0.54	2.83	3.68	6.38	3.96	1.47	1.22	2.79	3.51	4.70	3.25	3.92	2.86	2.48	1.41
AGE: 17																						
1972-73 P-VALUE	24.95	24.08	31.93	20.05	25.99	27.54	22.59	22.96	33.96	38.71	33.99	24.37	22.80	24.16	32.54	28.96	29.75	26.05	27.68	21.27	23.93	24.05
1972-73 SE OF P-VAL	0.88	1.21	2.50	1.55	1.87	1.24	1.29	0.95	2.80	4.11	4.01	2.76	1.60	1.48	4.82	3.60	2.71	3.19	3.03	2.05	3.02	1.31
1972-73 DELTA-P		-0.87	6.98#	-4.90#	1.04	2.59#	-2.36#	-1.99#	9.01#	13.76#	9.04*	-0.58	-2.15	-0.79	7.59	4.01	4.80	1.10	2.73	-3.68	-1.02	-0.90
1972-73 SE OF DP		1.20	2.09	1.38	1.62	0.94	0.88	0.45	2.75	4.03	3.94	2.61	1.46	1.25	4.45	3.44	2.63	2.94	2.77	1.95	2.84	1.16
AGE: Ad																						
1972-73 P-VALUE	40.38	42.62	42.40	36.27	41.23	42.18	38.70	39.11	49.20	43.07	42.24	39.38	39.16	39.41	50.45	37.31	50.76	36.51	34.63	39.97	42.78	40.57
1972-73 SE OF P-VAL	1.26	2.22	2.38	2.35	2.74	2.00	1.75	1.16	4.37	6.18	2.41	2.94	2.50	2.69	7.97	4.13	4.17	3.35	4.06	4.30	4.50	2.21
1972-73 DELTA-P		2.24	2.02	-4.11*	0.85	1.80	-1.68	-1.27*	8.02*	2.69	1.86	-1.00	-1.22	-0.97	10.07	-3.07	10.38#	-3.87	-5.75	-0.41	2.40	0.19
1972-73 SE OF DP		2.03	2.20	1.91	2.28	1.45	1.34	0.58	4.02	5.63	2.10	2.73	1.94	2.50	7.95	4.02	3.96	3.08	3.74	4.20	4.32	1.87

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 N0271

Show your personal opinion about various science topics by marking a seven position scale.

Part I. For me to become a scientist would be harmful/beneficial.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.73	4.12	3.51	3.99	[illegible]	3.75	3.71	3.16	7.96	3.79	4.12	3.95	4.18	2.22	6.70	1.23	7.83	2.57	6.65	2.75	6.86	2.43
1972-73 SE OF P-VAL	0.57	1.34	1.25	1.00	0.96	0.80	0.68	0.59	1.50	1.56	2.18	1.43	0.95	0.55	1.45	0.65	2.17	0.88	1.86	1.05	2.17	0.89
1972-73 DELTA-P		0.39	-0.22	0.26	-0.48	0.02	-0.02	-0.57#	4.23#	0.06	0.39	0.22	0.45	-1.51*	2.97#	-2.50#	4.10*	-1.16	2.92	-0.98	3.13	-1.30
1972-73 SE OF DP		1.13	1.08	0.86	0.89	0.49	0.46	0.20	1.39	1.45	2.08	1.30	0.59	0.61	1.17	0.81	2.00	3.93	1.77	1.05	1.94	0.68
AGE: 17																						
1972-73 P-VALUE	2.19	4.67	2.32	1.14	0.48	2.06	2.31	1.33	8.09	4.50	2.23	2.38	1.87	1.11	13.18	2.20	4.62	1.03	4.74	2.32	1.24	1.83
1972-73 SE OF P-VAL	0.39	0.92	1.03	0.63	0.34	0.59	0.54	0.39	2.04	1.23	1.25	1.14	0.79	0.43	3.03	1.59	1.62	0.76	2.49	1.19	0.87	0.67
1972-73 DELTA-P		2.48#	0.13	-1.05	-1.71#	-0.13	0.12	-0.86#	5.90#	2.31	0.04	0.19	-0.32	-1.08#	10.99#	0.01	2.43	-1.16	2.55	0.13	-0.95	-0.36
1972-73 SE OF DP		0.73	0.89	0.57	0.46	0.43	0.39	0.25	1.87	1.25	1.10	1.12	0.65	0.40	2.94	1.87	1.69	0.80	2.82	1.05	0.84	0.53
AGE: AD																						
1972-73 P-VALUE	1.92	1.69	2.70	1.65	1.79	2.28	1.58	1.08	6.20	6.66	2.24	1.60	1.38	1.02	13.20	0.35	2.54	1.49	7.42	2.52	0.36	1.30
1972-73 SE OF P-VAL	0.51	0.68	1.10	1.20	0.96	0.76	0.51	0.34	3.88	3.80	0.94	1.23	0.77	0.51	5.87	0.35	1.38	0.85	4.15	1.93	0.35	0.56
1972-73 DELTA-P		-0.23	0.78	-0.27	-0.13	0.36	-0.34	-0.84	4.28	4.74	0.32	-0.32	-0.54	-0.90	11.28*	-1.57#	0.62	-0.43	5.50	0.60	-1.56#	-0.62
1972-73 SE OF DP		0.71	0.98	0.93	0.84	0.41	0.38	0.43	3.18	3.62	0.85	0.99	0.69	0.67	5.53	0.60	1.44	0.95	3.80	1.77	0.59	0.57

RESPONSE: 01 AGE: 13 TEXT: Scale Score 1. (Harmful)

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	10.43	10.46	11.90	10.32	9.20	8.40	12.31	11.11	8.21	5.30	8.32	11.74	12.39	10.47	6.33	11.09	7.25	9.16	11.42	7.99	12.03	11.52
1972-73 SE OF P-VAL	0.82	1.19	1.89	1.91	1.23	1.15	0.87	0.97	1.65	1.55	2.17	2.45	1.24	1.08	1.53	3.98	1.87	1.45	2.19	2.10	2.79	1.44
1972-73 DELTA-P		0.03	1.47	-0.11	-1.23	-2.03#	1.88#	0.68*	-2.22	-5.13#	-2.11	1.31	1.96*	0.04	-4.10#	0.66	-3.18	-1.27	0.99	-2.04	1.60	1.09
1972-73 SE OF DP		1.18	1.62	1.49	1.19	0.62	0.58	0.29	1.81	1.64	2.29	2.27	0.87	0.73	1.33	3.68	1.92	1.53	2.19	1.96	2.53	1.21
AGE: 17																						
1972-73 P-VALUE	12.54	13.20	11.84	12.63	12.26	9.89	14.95	12.98	12.24	6.49	16.66	9.87	15.06	10.52	14.18	9.52	7.10	16.07	14.32	13.47	11.74	12.55
1972-73 SE OF P-VAL	0.79	1.69	2.12	1.29	1.29	1.06	1.18	0.90	1.84	2.66	3.44	1.73	1.48	1.10	3.50	1.89	1.92	2.42	2.50	2.49	1.89	1.42
1972-73 DELTA-P		0.66	-0.70	0.09	-0.28	-2.65#	2.41#	0.44	-0.30	-6.05*	4.12	-2.67	2.52*	-2.02*	1.64	-3.02	-5.44#	3.53	1.78	0.93	-0.80	0.01
1972-73 SE OF DP		1.39	1.81	1.15	1.23	0.81	0.77	0.31	1.75	2.74	3.09	1.71	1.22	0.96	3.28	1.84	2.00	2.24	2.39	2.19	1.84	1.13
AGE: AD																						
1972-73 P-VALUE	15.60	15.21	19.74	15.52	12.66	12.07	18.88	16.03	17.00	[illegible]	21.49	16.86	14.49	10.12	16.89	16.04	14.16	15.54	12.00	11.03	13.93	10.50
1972-73 SE OF P-VAL	0.79	1.86	1.49	1.35	1.59	1.17	1.38	0.98	3.21	2.23	2.22	2.20	1.57	1.81	5.40	3.81	3.17	2.93	1.84	2.36	2.46	1.49
1972-73 DELTA-P		-0.39	4.18#	-0.08	-2.94*	-3.53#	3.28#	0.43	1.40	-9.02#	5.89#	1.26	-1.11	-5.48#	1.29	0.44	-1.44	-0.06	-3.60	-4.57	-1.67	2.90*
1972-73 SE OF DP		1.56	1.39	1.18	1.35	1.06	0.98	0.41	3.21	2.38	2.01	2.01	1.50	1.64	5.22	3.65	2.96	2.73	1.95	2.29	2.90	1.25

RESPONSE: 02 AGE: 13 TEXT: Scale Score 2.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.21	3.61	4.58	3.26	5.56	2.71	5.60	4.31	4.22	2.90	6.28	7.57	3.07	4.38	3.61	5.44	5.07	3.96	1.90	3.66	3.64	4.74
1972-73 SE OF P-VAL	0.54	1.07	0.99	0.90	1.33	0.44	0.93	0.63	1.25	1.44	1.92	2.00	0.78	0.93	1.15	2.20	2.42	0.98	0.76	0.95	1.45	0.76
1972-73 DELTA-P		-0.60	0.37	-0.95	1.35	-1.50#	1.39#	0.10	0.01	-1.31	2.07	3.36	-1.14	0.13	-0.60	1.23	0.86	-0.25	-2.31#	-0.55	-0.57	0.53
1972-73 SE OF DP		0.95	0.91	0.79	1.08	0.53	0.49	0.20	1.30	1.35	1.90	1.92	0.65	0.64	1.09	1.96	2.28	0.98	0.89	0.96	1.22	0.60
AGE: 17																						
1972-73 P-VALUE	6.53	6.01	5.31	7.29	7.25	5.20	7.74	7.16	3.91	1.75	5.42	6.07	5.51	7.45	7.03	5.04	4.02	7.44	4.61	6.51	8.15	6.74
1972-73 SE OF P-VAL	0.55	1.06	1.20	0.97	1.20	0.73	0.96	0.65	1.47	0.81	1.85	1.76	0.92	0.85	2.77	1.58	1.91	1.99	1.95	1.48	1.87	0.94
1972-73 DELTA-P		-0.52	-1.22	0.76	0.72	-1.33	1.21	0.63#	-2.62	-4.78#	-1.11	-0.46	-1.02	0.92	0.50	-0.69	-2.51	0.91	-1.92	-0.02	1.62	0.21
1972-73 SE OF DP		0.91	1.07	0.84	1.04	0.69	0.63	0.23	1.52	0.90	1.76	1.67	0.81	0.56	2.78	1.51	1.85	1.85	1.94	1.39	1.68	0.80
AGE: AD																						
1972-73 P-VALUE	6.41	5.59	5.81	7.09	6.90	4.04	8.61	6.51	5.59	6.42	5.80	7.88	6.23	6.04	2.22	5.42	6.29	9.12	[illegible]	5.51	7.02	6.14
1972-73 SE OF P-VAL	0.78	1.44	0.97	1.82	1.64	0.73	1.20	0.89	1.56	3.01	1.34	1.84	1.19	1.45	1.57	1.55	1.94	2.81	[illegible]	2.11	1.06	1.28
1972-73 DELTA-P		-0.82	-0.60	0.68	0.49	-2.37#	2.20#	0.10	-0.82	0.01	-0.61	1.47	-0.18	0.43	-4.19*	-0.99	-0.12	2.71	[illegible]	-0.90	0.61	-0.27
1972-73 SE OF DP		1.30	1.07	1.43	1.38	0.66	0.62	0.25	1.58	3.07	1.12	1.53	0.96	1.19	1.70	1.57	1.90	2.48	[illegible]	1.98	1.11	0.98

RESPONSE: 03 AGE: 13 TEXT: Scale Score 3.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.31	8.04	4.73	8.39	7.68	5.03	9.42	7.87	3.49	6.69	11.15	3.91	7.26	7.57	7.02	11.02	2.55	7.11	6.08	7.05	7.77	7.96
1972-73 SE OF P-VAL	0.66	1.59	0.81	1.32	1.42	0.70	1.04	0.78	1.06	2.59	2.50	1.51	1.27	0.91	1.46	3.35	0.76	1.58	1.34	1.79	1.42	1.15
1972-73 DELTA-P		0.73	-2.58#	1.08	0.37	-2.28#	2.11#	0.56*	-3.82#	-0.62	3.84	-3.40*	-0.05	0.26	-0.29	3.71	-4.76#	-0.20	-1.23	-0.26	0.46	0.25
1972-73 SE OF DP		1.33	0.91	1.09	1.20	0.62	0.57	0.29	1.18	2.53	2.33	1.40	0.96	0.73	1.38	3.11	1.00	1.45	1.38	1.59	1.37	0.94

* The absolute value of this number is greater than 2.0 times its standard error.

# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part I. For me to become a scientist would be harmful/beneficial.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03 AGE: 17 TEXT: Scale Score 3.																						
1972-73 P-VALUE	9.10	8.36	8.88	10.20	8.80	8.62	9.53	9.39	7.09	8.44	6.77	12.22	9.32	8.24	12.95	10.31	8.19	7.57	7.06	11.01	10.83	8.43
1972-73 SE OF P-VAL	0.70	1.47	1.03	1.32	1.58	0.98	1.02	0.83	1.99	3.11	2.44	2.58	1.18	[illegible]	4.22	1.8[illegible]	3.15	1.89	1.27	1.74	1.45	1.48
1972-73 DELTA-P		-0.74	-0.22	1.10	-0.30	-0.48	0.43	0.29	-2.01	-0.66	-2.33	3.12	0.22	-0.86	3.85	1.21	-0.91	-1.53	-2.04	1.91	1.73	-0.67
1972-73 SE OF DP		1.20	1.06	1.11	1.35	0.75	0.69	0.29	2.03	3.11	2.37	2.41	0.96	0.70	4.06	1.94	3.13	1.85	1.40	1.61	1.28	1.06
AGE: AD																						
1972-73 P-VALUE	8.09	8.40	7.41	8.05	8.39	6.69	9.39	8.04	6.29	12.25	9.13	10.43	7.80	6.52	3.38	12.19	5.08	7.99	7.73	5.90	9.06	8.44
1972-73 SE OF P-VAL	0.62	1.22	1.51	1.02	1.28	0.99	0.94	0.68	1.83	3.83	1.55	2.11	0.99	1.19	2.38	2.39	1.52	2.25	1.81	2.09	2.66	0.96
1972-73 DELTA-P		0.31	-0.68	-0.04	0.30	-1.40	1.30	-0.05	-1.80	4.16	1.04	2.34	-0.29	-1.57	-4.71	4.10	-3.01	-0.10	-0.36	-2.19	0.97	0.35
1972-73 SE OF DP		1.08	1.40	0.91	1.08	0.77	0.72	0.31	1.77	3.68	1.35	1.84	0.90	1.12	2.52	2.34	1.62	2.04	1.73	1.87	2.47	0.90
RESPONSE: 04 AGE: 13 TEXT: Scale Score 4. (Neither harmful nor beneficial)																						
1972-73 P-VALUE	28.31	29.32	24.19	29.81	29.31	27.76	28.82	28.92	22.37	30.86	21.44	24.54	28.85	28.89	30.33	32.67	25.16	32.38	26.25	29.76	31.87	24.61
1972-73 SE OF P-VAL	[illegible]	2.26	2.50	2.07	2.49	1.53	1.5[illegible]	1.35	1.73	4.37	3.77	2.93	2.07	1.89	2.46	5.26	3.38	2.83	2.11	2.15	2.63	2.24
1972-73 DELTA-P		1.01	-4.12	1.50	1.00	-0.55	0.51	0.61	-5.94#	2.55	-6.87	-3.77	0.54	0.58	2.02	4.36	-3.15	4.07	-2.06	1.45	3.56	-3.70*
1972-73 SE OF DP		1.99	2.99	1.77	2.12	1.02	[illegible]	0.40	1.78	4.40	3.56	3.00	1.61	1.27	2.51	4.87	3.40	2.62	2.28	2.22	2.30	1.78
AGE: 17																						
1972-73 P-VALUE	30.76	32.23	29.24	29.80	31.55	30.05	31.40	31.33	24.22	34.00	29.77	28.41	33.14	31.39	16.87	28.43	35.26	30.90	25.22	34.69	30.17	29.98
1972-73 SE OF P-VAL	1.19	2.20	2.31	2.15	2.82	1.24	1.75	1.34	3.58	3.52	4.27	2.97	2.00	1.76	4.9[illegible]	2.62	3.07	5.26	4.04	3.49	2.64	1.62
1972-73 DELTA-P		1.47	-1.52	-0.96	0.79	-0.71	0.64	0.57	-6.54	3.24	-0.99	-2.35	2.38	0.63	-13.89#	-2.33	4.50	0.14	-5.54	3.93	-0.59	-0.78
1972-73 SE OF DP		1.89	2.15	1.83	2.37	1.01	0.92	0.48	3.5[illegible]	3.33	4.52	2.76	1.47	1.15	4.78	2.57	3.30	4.67	3.93	3.09	2.59	1.44
AGE: AD																						
1972-73 P-VALUE	31.02	28.53	28.36	32.78	33.55	30.58	31.43	32.33	25.06	22.38	25.81	28.47	33.72	34.94	27.29	33.65	26.10	27.46	26.37	36.27	34.48	31.29
1972-73 SE OF P-VAL	1.29	1.89	2.51	2.58	3.08	1.73	1.66	1.35	3.18	5.86	2.28	2.77	2.34	2.85	6.36	3.32	4.13	2.62	3.50	4.32	3.70	1.88
1972-73 DELTA-P		-2.49	-2.66	1.76	2.53	-0.44	0.41	1.31*	-5.96	-8.64	-5.21#	-2.55	2.70	3.92	-3.73	2.63	-4.92	-3.56	-4.65	5.25	3.46	0.27
1972-73 SE OF DP		[illegible]	2.31	2.12	2.50	1.14	1.06	0.50	3.22	5.34	1.89	2.70	1.91	2.40	6.28	3.34	4.01	2.62	3.13	3.90	3.25	1.50
RESPONSE: 05 AGE: 13 TEXT: Scale Score 5.																						
1972-73 P-VALUE	13.00	13.14	10.49	15.58	12.13	14.09	11.99	12.84	12.76	15.52	11.35	10.25	14.08	12.87	13.22	13.83	13.63	13.14	10.81	17.84	13.53	11.01
1972-73 SE OF P-VAL	0.68	1.40	1.11	1.31	1.47	1.12	0.90	0.72	1.65	3.35	3.16	2.41	1.25	1.09	1.95	[illegible]	2.60	1.95	2.38	2.15	1.87	1.04
1972-73 DELTA-P		0.14	-2.51*	2.58*	-0.87	1.09	-1.01	-0.16	-0.24	2.52	-1.65	-2.75	1.08	-0.13	0.22	0.83	0.63	0.14	-2.19	4.84*	0.53	-1.99*
1972-73 SE OF DP		1.22	1.06	1.08	1.25	0.77	0.72	0.28	1.49	3.26	3.05	2.35	1.13	0.73	1.85	2.11	2.34	1.93	2.32	2.06	1.65	0.91
AGE: 17																						
1972-73 P-VALUE	12.91	12.30	11.63	14.11	13.25	13.12	12.72	13.25	9.42	14.11	10.29	13.54	11.46	14.52	10.11	14.55	11.76	16.26	13.59	6.97	17.25	12.68
1972-73 SE OF P-VAL	0.89	2.01	1.66	1.44	1.89	1.03	1.41	0.99	1.58	2.53	2.36	2.41	1.29	1.31	2.73	2.47	1.41	3.39	2.33	1.81	2.66	1.21
1972-73 DELTA-P		-0.61	-1.28	1.20	0.34	0.21	-0.19	0.34	-3.49#	1.20	-2.62	0.63	-1.45	1.61	-2.80	1.64	-1.15	3.35	0.68	-5.94#	4.34	-0.27
1972-73 SE OF DP		1.62	1.55	1.28	1.64	0.92	0.83	0.25	1.60	2.48	2.30	2.25	1.00	0.83	2.75	2.43	1.61	3.02	2.36	1.64	2.38	1.11
AGE: AD																						
1972-73 P-VALUE	11.32	10.37	10.40	10.83	13.51	13.10	9.67	11.93	6.85	10.47	9.09	12.30	10.75	14.37	5.74	11.94	6.58	16.07	12.42	10.63	11.28	10.68
1972-73 SE OF P-VAL	0.89	1.29	1.79	2.24	1.46	1.52	0.90	1.02	1.69	3.88	1.52	2.08	1.63	2.11	3.03	2.68	1.52	3.25	2.96	2.22	3.00	1.20
1972-73 DELTA-P		-0.95	-0.92	-0.49	2.19	1.78*	-1.65	0.61	-4.47*	-0.85	-2.23	0.98	-0.57	3.05	-5.58	0.62	-4.74#	4.75	1.10	-0.69	-0.04	-0.64
1972-73 SE OF DP		1.29	1.63	1.71	1.35	0.88	0.85	0.35	1.86	3.80	1.28	1.86	1.47	1.75	3.24	2.68	1.80	2.92	2.91	1.99	2.61	0.94
RESPONSE: 06 AGE: 13 TEXT: Scale Score 6.																						
1972-73 P-VALUE	12.40	12.23	13.25	12.40	11.80	13.10	11.75	12.81	10.34	10.56	9.35	13.95	11.92	13.60	10.45	8.88	11.10	15.40	12.73	14.49	6.96	13.84
1972-73 SE OF P-VAL	0.71	1.43	1.29	1.38	1.54	1.03	1.03	0.85	1.44	2.77	2.80	3.07	1.18	1.25	1.74	2.31	3.27	2.27	1.91	1.99	1.57	1.20
1972-73 DELTA-P		-0.17	0.85	0.00	-0.60	0.70	-0.65	0.41	-2.06	-1.84	-3.05	1.55	-0.48	1.20	-1.95	-3.52	-1.30	3.00	0.33	2.09	-5.44#	1.44
1972-73 SE OF DP		1.25	1.20	1.14	1.30	0.77	0.72	0.31	1.55	2.69	2.77	2.96	0.97	0.96	1.66	2.19	3.13	2.05	1.95	1.81	1.64	1.01
AGE: 17																						
1972-73 P-VALUE	12.01	10.83	12.48	11.80	13.24	14.51	9.73	11.72	13.24	14.18	12.36	13.36	11.60	12.27	9.22	14.39	11.98	10.32	13.56	12.02	9.15	12.68
1972-73 SE OF P-VAL	0.71	1.42	1.27	1.43	1.47	1.12	1.18	0.82	2.36	2.46	2.29	3.33	1.13	1.22	2.51	1.40	2.42	3.07	2.87	1.73	1.93	1.25
1972-73 DELTA-P		-1.18	0.47	-0.21	1.23	2.50#	-2.28#	-0.29	1.23	2.17	0.35	1.35	-0.41	0.26	-2.79	2.38	-0.03	-1.69	1.55	0.01	-2.86	0.67
1972-73 SE OF DP		1.19	1.21	1.17	1.29	0.92	0.83	0.34	2.36	2.33	2.40	3.10	1.03	0.88	2.50	1.49	2.39	2.84	2.77	1.58	1.89	1.01

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                      NATION |            REGION             |     SEX      |        RACE          |        PARENTAL EDUCATION           |           SIZE-AND-TYPE OF COMMUNITY
                             | NORTH  SOUTH                  |              |               OTHER  |         SOME    GRAD    POST        |EXTREME  LOW    HIGH   MAIN   URBAN  MEDIUM  SMALL
                      ______ |  EAST   EAST  CENTRAL   WEST  |  MALE FEMALE | WHITE  BLACK   RACE  | NO HS    HS      HS      HS  UNKNOWN| RURAL  METRO  METRO  BIG CTY FRINGE  CITY  PLACES
EXERCISE: 303009-234   RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part I. For me to become a scientist would be harmful/beneficial.

RESPONSE:  06    AGE: A8        TEXT:  Scale Score 6.

    1972-73 P-VALUE          10.08   [illegible]  9.25  10.70   9.73   13.38   7.05   10.47   8.32   7.43    8.20   5.46  10.69  13.98  11.62    8.53  10.80   8.81   9.40  11.12   8.92  10.83
    1972-73 SE OF P-VAL       0.83     1.90   1.67   1.58   1.31    1.29   0.94    0.90   2.09   2.40    1.43   1.35   1.78   1.43   6.85    2.49   2.81   2.82   2.76   1.98   2.12   1.36
    1972-73 DELTA-P                    0.3?  -0.83   0.62  -0.35    3.26# -3.03#   0.39  -1.76  -2.65   -1.88  -4.62#  0.61   3.90#  1.54   -1.55   0.72  -1.27  -0.68   1.04  -1.16   0.75
    1972-73 SE OF DP                   1.6?   1.51   1.31   1.30    0.79   0.73    0.29   2.02   2.25    1.25   1.36   1.04   1.29   6.63    2.51   2.52   2.52   2.53   2.06   2.10   1.06

RESPONSE:  07    AGE: 13        TEXT:  Scale Score 7.   (Beneficial)

    1972-73 P-VALUE          20.60    19.05  27.34  16.24  21.06   25.1?  16.39   18.97  30.63  24.36   27.97  24.09  18.24  20.03  22.33   15.82  27.40  16.27  24.14  16.46  17.38  24.27
    1972-73 SE OF P-VAL       0.98     1.42   2.72   1.20   2.32    1.59   1.06    1.14   2.86   5.11    9.25   2.78   1.55   1.49   2.51    2.41   3.20   2.31   2.67   2.15   2.04   2.05
    1972-73 DELTA-P                   -1.55   6.74# -4.36#  0.46    4.55# -4.21#  -1.63# 10.03#  3.76    7.37   3.49  -2.36  -0.57   1.73   -4.78   6.80* -4.33   3.54  -4.14  -3.26   3.67#
    1972-73 SE OF DP                   1.42   2.23   1.27   1.92    0.98   0.89    0.48   2.91   4.91    8.78   2.77   1.35   1.33   2.37    2.44   3.17   2.28   2.72   2.15   1.92   1.82

                     AGE: 17

    1972-73 P-VALUE          13.96    12.40  18.30  13.05  13.16   16.54  11.61   12.85  21.79  16.54   16.50  14.16  12.04  14.51  16.47   14.76  17.07  10.41  16.91  13.01  11.47  15.15
    1972-73 SE OF P-VAL       0.88     1.51   2.36   1.83   1.41    1.23   1.21    0.95   2.44   3.16    3.46   2.06   1.57   1.29   3.39    2.50   3.31   1.93   2.69   2.78   2.44   1.59
    1972-73 DELTA-P                   -1.56   4.34* -0.91  -0.80    2.58# -2.35#  -1.11#  7.83#  2.58    2.54   0.20  -1.92   0.55   2.51    0.80   3.11  -3.55   2.95  -0.95  -2.49   1.19
    1972-73 SE OF DP                   1.36   2.?3   1.48   1.35    0.87   0.84    0.33   2.26   3.13    3.27   2.77   1.22   0.98   3.37    2.45   3.38   1.82   2.56   2.47   2.33   1.31

                     AGE: A8

    1972-73 P-VALUE          15.56    19.77  16.32  13.37  13.46   17.90  13.38   13.62  24.69  27.82   18.23  16.99  14.98  12.21  19.67   11.88  20.46  13.51  19.73  17.02  14.96  12.82
    1972-73 SE OF P-VAL       0.98     2.13   1.89   1.64   2.06    1.48   1.31    1.06   2.95   8.26    1.38   2.35   1.92   1.98   4.65    2.09   3.81   2.27   3.15   3.86   2.33   1.19
    1972-73 DELTA-P                    4.21*  0.76  -2.19  -2.10    2.34* -2.18*  -1.94#  9.13# 12.26#   2.67*  1.43  -0.62  -3.35*  4.11   -3.68  12.90# -2.05   4.17   1.46  -0.60  -2.74*
    1972-73 SE OF DP                   1.81   1.74   1.43   1.74    1.05   0.95    0.49   2.89   4.18    1.31   2.07   1.53   1.64   4.72    1.99   3.62   1.95   3.12   3.35   2.33   1.12
EXERCISE: 303009-234   RU271

Part J. For me to become a scientist would be boring/interesting.

RESPONSE:  00    AGE: 13        TEXT:  No Response.

    1972-73 P-VALUE           2.11     2.23   1.98   2.69   1.44    2.85   1.43    1.97   3.50   1.83    3.74   4.97   2.39   0.68   3.28    1.46   2.67   1.15   4.16   1.76   3.59   1.60
    1972-73 SE OF P-VAL       0.35     0.77   0.81   0.64   0.62    0.52   0.40    0.38   0.98   0.89    2.95   1.45   0.60   0.27   0.86    0.77   1.22   0.60   1.07   1.22   1.16   0.59
    1972-73 DELTA-P                    0.12  -0.13   0.58  -0.67    0.74* -0.68*  -0.14   1.39  -0.68    1.63   2.86*  0.28  -1.43#  1.17   -0.65   0.56  -0.96   2.05  -0.35   1.48  -0.51
    1972-73 SE OF DP                   0.66   0.70   0.55   0.56    0.32   0.29    0.13   0.92   0.84    2.84   1.25   0.44   0.43   0.69    0.76   1.19   0.65   1.03   1.10   1.07   0.86

                     AGE: 17

    1972-73 P-VALUE           1.39     2.06   1.96   1.07   0.50    1.68   1.13    0.87   4.01   4.46    2.57   1.18   0.46   1.25   6.82    0.37   3.34   0.64   5.00   0.27   1.53   1.23
    1972-73 SE OF P-VAL       0.23     0.58   0.67   0.28   0.25    0.39   0.32    0.22   1.13   2.37    1.08   0.69   0.27   0.43   1.88    0.36   1.49   0.46   1.34   0.27   0.76   0.40
    1972-73 DELTA-P                    0.67   0.57  -0.32  -0.89#   0.29  -0.26   -0.52#  2.62*  3.07    1.18  -0.21  -0.93#  -0.14   5.43#  -1.02#  1.95  -0.75   3.61#  -1.12#  0.14  -0.16
    1972-73 SE OF DP                   0.46   0.56   0.29   0.29    0.29   0.26    0.14   1.08   2.33    0.97   0.73   0.31   0.30   1.82    0.40   1.?8   0.46   1.28   0.32   0.72   0.34

                     AGE: A8

    1972-73 P-VALUE           1.00     1.73   1.44   0.64   0.37    1.36   0.66    0.70   3.24   1.40    0.00   0.43   0.68   1.62   9.83    0.35   0.91   1.49   4.01   1.87   0.00   0.36
    1972-73 SE OF P-VAL       0.32     0.63   1.06   0.52   0.26    0.54   0.35    0.30   1.79   0.96    0.00   0.30   0.68   0.62   5.59    0.35   0.65   0.85   2.06   1.85   0.00   0.21
    1972-73 DELTA-P                    0.73   0.44  -0.36  -0.63    0.36  -0.34   -0.30   2.24   0.40   -1.00#  -0.57  -0.32   0.62   8.83   -0.65  -0.09   0.49   3.01   0.87  -1.00#  -0.64
    1972-73 SE OF DP                   0.55   0.87   0.47   0.37    0.33   0.31    0.19   1.62   0.99    0.32   0.44   0.53   0.55   5.44    0.85   0.67   0.84   1.90   1.65   0.32   0.34
RESPONSE:  01    AGE: 13        TEXT:  Scale Score 1.   (Boring)

    1972-73 P-VALUE          16.77    15.99  14.32  19.24  16.87   13.96  19.37   17.06  16.43  13.55   12.73  13.14  19.19  17.27  13.87   17.69  15.57  18.78  18.18  14.18  17.74  16.24
    1972-73 SE OF P-VAL       0.82     1.59   1.43   1.91   1.37    1.26   1.25    0.98   2.45   2.16    2.65   2.46   1.62   1.46   1.96    2.01   2.21   3.60   2.75   2.07   1.76   1.52
    1972-73 DELTA-P                   -0.78  -2.45   2.47   0.10   -2.81#  2.60#   0.29  -0.34  -3.22   -4.04  -3.63   2.42   0.50  -2.90    0.92  -1.20   2.01   1.37  -2.59   0.97  -0.53
    1972-73 SE OF DP                   1.40   1.35   1.48   1.27    0.97   0.91    0.37   2.40   2.27    2.57   2.46   1.43   1.10   1.77    1.99   2.25   3.24   2.75   1.97   1.76   1.23

                     AGE: 17

    1972-73 P-VALUE          18.45    21.97  14.89  18.40  17.87   16.44  20.28   18.83  18.72  12.19   22.81  17.52  20.00  15.97  26.28   12.41  20.16  21.53  16.78  21.80  15.77  18.48
    1972-73 SE OF P-VAL       0.96     2.38   1.37   1.75   1.93    1.41   1.25    1.10   2.68   2.97    3.62   2.54   1.72   1.53   5.02    2.00   2.97   2.81   2.30   2.56   1.79   1.82
    1972-73 DELTA-P                    3.52  -3.56* -0.05  -0.98   -2.01*  1.93*   0.38   0.27  -6.26*   4.36  -0.93   1.55  -2.48*  7.83   -6.04#  1.71   3.08  -1.67   2.95  -2.68   0.03
    1972-73 SE OF DP                   1.92   1.43   1.49   1.71    0.98   0.88    0.34   2.62   3.01    3.59   2.38   1.51   1.07   4.82    2.07   2.97   2.56   2.26   2.27   1.85   1.34

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 303009-234 BU271

Show your personal opinion about various science topics by marking a seven position scale.

Part 3. For me to become a scientist would be boring/interesting.

	NATION	REGION NORTH EAST	 SOUTH EAST	 CENTRAL	 WEST	SEX MALE	 FEMALE	RACE WHITE	 BLACK	 OTHER RACE	PARENTAL EDUCATION NO HS	 SOME HS	 GRAD HS	 POST HS	 UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	 LOW METRO	 HIGH METRO	 MAIN BIG CTY	 URBAN FRINGE	 MEDIUM CITY	 SMALL PLACES
RESPONSE: 01 AGE: Ad TEXT: Scale Score 1 (Boring)																						
1972-73 P-VALUE	12.63	12.97	16.17	11.83	10.31	8.86	16.13	12.55	17.20	5.16	16.02	16.21	11.19	8.20	16.76	13.16	11.65	8.34	16.70	11.65	13.72	13.26
1972-73 SE OF P-VAL	0.93	2.39	1.81	1.52	1.48	1.16	1.29	0.98	3.13	2.90	1.91	2.10	1.67	1.51	5.16	2.89	2.62	1.96	4.07	2.72	2.60	1.17
1972-73 DELTA-P		0.34	3.54*	-0.80	-2.32	-3.77#	3.50#	-0.08	4.65	-7.47#	3.39*	3.58	-1.84	-4.43#	4.13	0.53	-0.98	-4.29*	4.07	-0.98	1.09	0.63
1972-73 SE OF DP		1.94	1.66	1.34	1.36	0.88	0.84	0.40	2.98	2.81	1.38	1.86	1.55	1.40	5.11	2.73	2.42	1.93	3.75	2.64	2.36	0.92
RESPONSE: 02 AGE: 13 TEXT: Scale Score 2.																						
1972-73 P-VALUE	5.75	6.69	4.22	4.65	7.52	3.70	7.65	6.07	3.64	5.28	4.32	7.02	5.14	6.61	4.54	5.84	4.46	7.57	4.44	8.33	7.54	3.90
1972-73 SE OF P-VAL	0.63	1.18	1.28	1.09	1.44	0.56	0.98	0.75	1.06	1.85	2.25	2.13	0.86	1.14	1.24	2.22	1.18	1.86	1.55	1.89	1.97	0.99
1972-73 DELTA-P		0.94	-1.53	-1.10	1.77	-2.05#	1.90#	0.32	-2.11	-0.47	-1.42	1.27	-0.61	0.86	-1.21	0.09	-1.29	1.82	-1.31	2.58	1.79	-1.85*
1972-73 SE OF DP		1.07	1.13	0.95	1.20	0.54	0.49	0.22	1.14	1.90	2.06	2.18	0.71	0.75	1.20	2.06	1.27	1.75	1.58	1.77	1.80	0.82
AGE: 17																						
1972-73 P-VALUE	8.24	8.86	5.14	9.32	8.87	7.57	8.85	8.89	4.22	5.74	7.61	7.01	8.31	8.73	6.74	11.37	4.57	7.02	6.01	8.43	9.31	8.63
1972-73 SE OF P-VAL	0.67	0.86	1.44	1.67	1.05	0.92	0.91	0.76	1.47	2.15	2.00	2.03	1.06	0.91	2.64	2.29	1.50	1.18	2.52	1.79	2.01	1.17
1972-73 DELTA-P		0.62	-3.10*	1.08	0.63	-0.67	0.61	0.65*	-4.02#	-2.50	-0.63	-1.23	0.07	0.49	-1.50	3.13	-3.67#	-1.22	-2.23	0.19	1.07	0.39
1972-73 SE OF DP		0.89	1.27	1.28	1.02	0.65	0.59	0.27	1.44	2.17	1.85	1.81	0.93	0.59	2.58	2.10	1.43	1.25	2.80	1.64	1.86	0.92
AGE: Ad																						
1972-73 P-VALUE	6.49	6.64	6.51	5.65	7.26	5.18	7.71	6.62	6.50	4.44	6.22	6.68	7.72	5.57	2.68	6.70	7.48	13.16	1.74	4.13	7.35	5.88
1972-73 SE OF P-VAL	0.65	1.56	1.25	1.16	1.20	1.06	0.80	0.74	1.89	2.46	1.13	1.70	1.38	1.00	1.60	1.93	2.51	2.45	0.97	1.64	1.67	0.82
1972-73 DELTA-P		0.15	0.02	-0.84	0.77	-1.31	1.22	0.13	0.01	-2.05	-0.27	0.19	1.23	-0.92	-3.81*	0.21	0.99	6.67#	-4.75#	-2.36	0.86	-1.01
1972-73 SE OF DP		1.30	1.15	1.00	1.05	0.69	0.64	0.27	1.85	2.45	0.87	1.56	1.00	1.03	1.66	1.92	2.38	2.19	1.10	1.59	1.59	0.64
RESPONSE: 03 AGE: 13 TEXT: Scale Score 3.																						
1972-73 P-VALUE	5.91	6.02	5.28	7.93	4.02	5.23	6.54	6.26	3.70	5.16	4.81	3.35	7.06	6.23	4.43	9.07	5.56	7.37	4.70	5.76	5.64	4.92
1972-73 SE OF P-VAL	0.61	1.46	0.67	1.31	1.09	0.70	0.77	0.70	0.77	2.18	2.01	1.71	0.93	1.00	1.45	2.13	1.68	1.68	1.55	1.89	1.10	1.12
1972-73 DELTA-P		0.11	-0.63	2.02	-1.89	-0.68	0.63	0.35	-2.21*	-0.75	-1.10	-2.56	1.15	0.32	-1.48	3.16	-0.35	1.46	-1.21	-0.15	-0.27	-0.99
1972-73 SE OF DP		1.22	0.79	1.04	0.98	0.43	0.39	0.20	0.95	2.08	1.89	1.76	0.81	0.68	1.30	1.95	1.62	1.59	1.52	1.42	1.04	0.85
AGE: 17																						
1972-73 P-VALUE	8.27	8.88	6.98	8.03	8.96	7.13	9.31	8.88	5.83	3.50	5.81	9.47	8.22	9.12	2.49	10.09	5.68	9.64	6.45	8.33	11.05	7.12
1972-73 SE OF P-VAL	0.64	1.34	0.98	1.24	1.33	0.84	1.00	0.69	1.79	1.37	1.78	2.68	1.46	1.17	1.74	2.03	1.93	1.96	1.91	1.86	1.72	1.08
1972-73 DELTA-P		0.61	-1.29	-0.24	0.69	-1.14	1.04	0.61*	-2.44	-4.77#	-2.46	1.20	-0.05	0.85	-5.78#	1.82	-2.39	1.37	-1.82	0.06	2.78	-1.15
1972-73 SE OF DP		1.10	0.98	1.03	1.16	0.69	0.63	0.25	1.69	1.38	1.76	2.56	1.26	1.00	1.76	1.93	1.79	1.84	1.91	1.61	1.62	0.89
AGE: Ad																						
1972-73 P-VALUE	6.27	5.84	6.52	7.21	5.41	4.87	7.57	6.39	4.63	7.52	6.43	8.36	5.46	6.16	3.38	6.75	5.40	5.34	3.77	8.53	9.00	5.77
1972-73 SE OF P-VAL	0.68	1.10	1.24	1.68	1.20	0.81	0.98	0.71	1.57	3.67	1.20	1.58	1.11	1.27	2.42	1.44	1.82	1.66	1.89	2.73	2.50	1.08
1972-73 DELTA-P		-0.43	0.25	0.94	-0.86	-1.40*	1.30*	0.12	-1.64	1.25	0.16	2.09	-0.81	-0.11	-2.89	0.48	-0.87	-0.93	-2.50	2.26	2.73	-0.50
1972-73 SE OF DP		1.04	1.16	1.30	1.07	0.63	0.58	0.26	1.49	3.50	0.98	1.41	0.85	1.07	2.62	1.51	1.78	1.54	1.55	2.57	2.28	0.79
RESPONSE: 04 AGE: 13 TEXT: Scale Score 4. (Neither boring nor interesting)																						
1972-73 P-VALUE	17.92	18.63	16.69	18.10	18.15	16.28	19.44	18.60	14.90	14.32	17.59	14.70	16.66	18.71	20.26	13.67	21.31	20.86	16.41	19.51	17.83	17.05
1972-73 SE OF P-VAL	0.96	1.55	2.04	1.98	2.04	1.43	1.26	1.00	2.91	3.34	4.94	2.50	1.45	1.44	2.86	2.07	5.50	2.65	3.38	2.06	2.19	1.57
1972-73 DELTA-P		0.71	-1.23	0.18	0.23	-1.64	1.52	0.68	-3.02	-3.60	-0.33	-3.22	-1.26	0.79	2.34	-4.25*	3.39	2.94	-1.51	1.59	-0.09	-0.87
1972-73 SE OF DP		1.47	1.79	1.58	1.74	0.97	0.91	0.42	2.70	3.14	4.65	2.25	1.27	1.09	2.70	2.03	5.20	2.52	3.26	2.01	2.05	1.19
AGE: 17																						
1972-73 P-VALUE	19.17	17.17	20.94	19.62	19.41	19.06	19.27	18.64	18.54	28.29	21.65	21.52	21.66	16.90	16.24	21.53	20.93	15.98	21.00	21.31	17.83	18.39
1972-73 SE OF P-VAL	0.91	1.56	1.98	1.74	2.03	1.25	1.36	0.89	2.33	3.81	3.52	3.20	1.80	1.08	3.20	2.46	2.83	2.88	4.53	2.37	2.02	1.52
1972-73 DELTA-P		-2.00	1.77	0.45	0.24	-0.11	0.10	-0.53	-0.63	9.12#	2.48	2.35	2.49	-2.27*	-2.93	2.36	1.76	-3.19	1.83	2.14	-1.34	-0.78
1972-73 SE OF DP		1.40	1.77	1.45	1.74	0.98	0.89	0.36	2.03	3.59	3.32	3.03	1.37	0.93	3.17	2.43	2.78	2.62	4.34	2.15	2.75	1.29
AGE: Ad																						
1972-73 P-VALUE	20.96	19.13	15.87	22.70	24.88	18.59	23.16	22.31	14.13	13.40	17.89	20.48	23.49	21.71	16.40	27.04	16.05	20.67	21.25	23.95	17.71	20.98
1972-73 SE OF P-VAL	1.00	2.12	1.89	1.78	2.17	1.50	1.62	0.95	3.22	3.26	1.62	2.37	1.73	2.02	5.61	2.41	2.60	3.37	4.76	4.32	2.68	1.10
1972-73 DELTA-P		-1.83	-5.09#	1.74	3.92*	-2.37	2.20	1.35#	-6.83*	-7.56*	-3.07*	-3.48	2.53	0.75	-4.56	6.08*	-4.91*	-0.29	0.29	2.99	-3.25	0.02
1972-73 SE OF DP		1.82	1.76	1.54	1.81	1.23	1.17	0.42	2.80	3.15	1.34	2.16	1.87	1.66	5.51	2.47	2.33	3.00	4.47	3.88	2.59	1.29

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303009-234 RU271

Show your personal opinion about various science topics by marking a seven position scale.

Part J. For me to become a scientist would be boring/interesting.

RESPONSE: 05 TEXT: Scale Score 5.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	11.00	10.69	9.03	13.00	10.76	11.43	10.60	11.07	8.36	14.81	11.46	10.93	11.78	10.95	9.36	15.53	6.73	10.24	12.80	13.13	9.80	10.13
1972-73 SE OF P-VAL	0.79	1.37	1.39	1.79	1.51	1.23	1.14	0.88	1.74	3.91	4.20	2.57	1.43	0.95	1.74	4.52	1.85	1.78	2.56	2.44	1.41	1.01
1972-73 DELTA-P		-0.31	-1.97	2.00	-0.24	0.43	-0.40	0.07	-2.54	3.81	0.46	-0.07	0.78	-0.05	-1.64	4.53	-4.27#	-0.76	1.80	2.13	-1.20	-0.87
1972-73 SE OF DP		1.27	1.29	1.40	1.33	0.92	0.85	0.34	1.72	3.79	3.88	2.36	1.20	0.80	1.56	4.14	1.70	1.65	2.48	2.29	1.45	0.96
AGE: 17																						
1972-73 P-VALUE	12.16	11.06	12.02	13.86	11.46	12.55	11.81	12.66	7.46	13.20	8.63	12.67	11.49	13.55	8.12	12.00	13.89	12.24	10.69	9.62	15.01	12.38
1972-73 SE OF P-VAL	0.82	0.99	1.81	1.97	1.50	1.34	1.02	0.93	1.79	2.58	2.23	2.17	1.25	1.30	2.65	2.44	3.18	2.27	2.77	1.53	2.78	1.36
1972-73 DELTA-P		-1.10	-0.14	1.70	-0.70	0.39	-0.35	0.50	-4.70#	1.04	-3.53	0.51	-0.67	1.39	-4.04	-0.16	1.73	0.08	-1.47	-2.54	2.85	0.22
1972-73 SE OF DP		1.06	1.62	1.50	1.37	0.89	0.81	0.30	1.82	2.48	2.20	2.0[illegible]	1.03	0.88	2.41	2.34	3.00	2.07	2.62	1.44	2.59	1.16
AGE: Ad																						
1972-73 P-VALUE	13.35	11.10	15.89	15.54	10.92	15.78	11.09	14.36	7.57	8.95	10.02	7.99	15.92	17.74	6.81	15.09	9.15	15.24	12.96	11.37	13.23	14.05
1972-73 SE OF P-VAL	0.84	1.02	1.65	2.04	1.46	1.56	0.91	0.88	1.90	4.01	1.74	1.35	1.72	2.19	3.15	3.76	2.17	3.04	2.83	2.24	2.76	1.42
1972-73 DELTA-P		-2.25*	2.54	2.19	-2.43	2.43*	-2.26*	1.01#	-5.78#	-4.40	-3.33	-5.36#	2.57	4.39#	-6.54*	1.74	-4.20	1.89	-0.39	-1.98	-0.12	0.70
1972-73 SE OF DP		1.12	1.50	1.54	1.32	0.98	0.93	0.34	1.92	3.69	1.70	1.56	1.44	1.74	3.17	3.54	2.30	2.96	2.71	2.21	2.50	1.07

RESPONSE: 06 TEXT: Scale Score 6.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	13.66	13.75	12.56	13.68	14.55	15.87	11.61	13.61	9.99	20.93	9.95	13.23	12.86	13.98	16.15	15.81	10.33	12.87	11.67	18.53	8.76	14.65
1972-73 SE OF P-VAL	0.77	1.05	1.75	1.22	2.04	1.41	0.99	0.80	1.79	3.74	2.39	2.64	1.70	1.30	2.35	2.01	2.95	1.48	2.34	2.86	2.02	1.41
1972-73 DELTA-P		0.09	-1.10	0.02	0.89	2.21*	-2.05*	-0.05	-3.67*	7.27*	-3.71	-0.43	-0.80	0.32	2.49	2.15	-3.33	-0.79	-1.99	4.87	-4.90*	0.99
1972-73 SE OF DP		1.08	1.51	1.11	1.64	0.96	0.91	0.35	1.69	3.51	2.38	2.69	1.52	0.95	2.17	1.96	2.80	1.53	2.34	2.61	2.00	1.14
AGE: 17																						
1972-73 P-VALUE	14.43	14.32	14.56	13.69	15.37	15.97	13.03	14.90	11.63	12.42	13.10	10.19	14.09	16.25	10.32	12.28	12.82	19.39	16.43	12.80	15.17	13.56
1972-73 SE OF P-VAL	0.78	1.44	1.05	1.93	1.31	1.24	1.15	0.95	2.47	[illegible]	2.54	2.16	1.24	1.26	2.86	2.46	2.28	2.37	3.12	1.97	2.19	1.09
1972-73 DELTA-P		-0.11	0.13	-0.74	0.94	1.54	-1.40	0.47	-2.80	-2.01	-1.33	-4.24*	-0.34	1.82*	-4.11	-2.15	-1.61	4.96*	2.00	-1.63	0.74	-0.87
1972-73 SE OF DP		1.25	1.12	1.47	1.24	0.95	0.87	0.37	2.55	2.88	2.54	2.12	1.00	0.83	2.87	2.30	2.30	2.13	2.99	1.80	1.99	1.00
AGE: Ad																						
1972-73 P-VALUE	12.17	12.32	11.98	10.52	14.03	13.91	10.55	12.44	10.67	10.89	8.27	10.23	11.32	18.36	12.62	11.71	9.90	15.31	8.13	10.57	13.09	12.83
1972-73 SE OF P-VAL	0.82	2.29	1.81	0.77	1.60	1.39	1.01	0.90	2.31	3.02	1.23	1.71	1.68	1.98	6.45	2.46	2.01	2.62	2.88	2.85	2.63	1.20
1972-73 DELTA-P		0.15	-0.19	-1.65	1.86	1.74	-1.62	0.27	-1.50	-1.28	-3.90#	-1.94	-0.85	6.19#	0.45	-0.46	-2.27	3.14	-4.04	-1.60	0.92	0.66
1972-73 SE OF DP		1.88	1.60	0.97	1.38	0.91	0.86	0.33	2.19	2.91	1.22	1.57	1.51	1.69	6.53	2.44	1.91	2.27	2.85	2.66	2.52	0.98

RESPONSE: 07 TEXT: Scale Score 7. (Interesting)

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	26.87	25.99	35.93	20.70	26.68	30.66	23.36	25.35	39.47	24.50	35.39	32.66	24.91	25.56	28.10	20.91	33.36	21.15	27.67	18.79	29.09	31.50
1972-73 SE OF P-VAL	1.08	1.58	2.42	2.21	1.95	1.48	1.47	1.30	2.98	4.15	7.77	4.23	1.76	1.33	2.58	2.67	3.85	2.94	1.93	2.59	2.45	2.24
1972-73 DELTA-P		-0.88	9.06#	-6.17#	-0.19	3.79#	-3.51#	-1.52#	12.60#	-2.37	8.52	5.79	-1.96	-1.31	1.23	-5.96*	6.49	-5.72*	0.80	-8.08#	2.22	4.63#
1972-73 SE OF DP		1.57	2.06	1.79	1.76	1.05	0.95	0.51	3.05	4.14	7.24	3.80	1.73	1.14	2.41	2.47	3.83	2.82	2.14	2.52	2.42	1.66
AGE: 17																						
1972-73 P-VALUE	17.90	15.70	23.51	16.01	17.96	19.61	16.34	16.34	29.60	20.22	17.82	20.44	15.77	18.24	22.98	19.96	18.42	13.57	17.66	17.86	14.34	20.23
1972-73 SE OF P-VAL	1.04	2.32	2.72	1.71	1.74	1.34	1.27	1.14	3.50	4.21	2.90	3.10	1.66	1.48	4.90	3.47	2.60	3.02	5.01	3.58	2.17	1.70
1972-73 DELTA-P		-2.20	5.61*	-1.89	0.06	1.71*	-1.56*	-1.56#	11.70#	2.32	-0.08	2.54	-2.13	0.34	5.08	2.06	0.52	-4.33	-0.24	-0.04	-3.56	2.33
1972-73 SE OF DP		1.90	2.37	1.52	1.64	0.80	0.74	0.51	3.11	4.25	2.66	2.81	1.33	1.12	4.75	3.40	2.62	2.79	4.76	3.11	2.27	1.53
AGE: Ad																						
1972-73 P-VALUE	27.12	30.26	25.61	25.90	26.80	31.43	23.11	24.63	35.96	48.22	35.13	29.60	24.20	20.64	31.52	19.19	39.46	20.44	31.42	27.91	25.88	27.25
1972-73 SE OF P-VAL	1.16	1.56	2.75	2.30	2.45	1.74	1.57	1.16	3.89	5.33	2.94	2.80	1.96	2.13	6.12	2.78	4.61	2.35	3.56	4.17	3.25	1.83
1972-73 DELTA-P		3.14	-1.51	-1.22	-0.32	4.31#	-4.01#	-2.49#	8.84*	21.10#	8.01#	2.48	-2.92	-6.48#	4.40	-7.93#	12.34#	-6.68#	4.30	0.79	-1.24	0.13
1972-73 SE OF DP		1.59	2.39	1.89	2.06	1.25	1.16	0.65	3.61	5.04	2.55	2.45	1.73	1.98	6.07	2.69	4.17	2.31	3.44	3.72	3.34	1.57

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

A coal-burning electric power plant is proposed in your area. The power plant will reduce the cost of electricity as well as prevent future power failures. It will also discharge heat into the environment and cause some air pollution. Which one of the following best describes YOUR reaction to the proposed construction of this power plant?

○ Build it. I can save money.
○ Build it. It will be good for my community.
○ Build it. I'll have all the electricity I need.
○ Don't build it since it will pollute the water and the air.
● Don't build it without first determining the effect on the environment.

○ I don't have any reaction.

NAEP #: 303033-34

72-73 Report #: RB272

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: C. Appreciate the scientific enterprise.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	02-09	06-02
72-73 National P-val:		
RB272	77.86	79.12
Timing: (in seconds)		
Stimulus:	42	46
Response:	11	*
I don't know:	1	*
Pause:	6	*
RB272 Exercise total:	60	*

*Time not limited by paced tape.

EXERCISE: 303033-34 RB272

A coal-burning electric power plant is proposed that will reduce electricity costs and prevent power failures. It will also cause pollution. What is YOUR reaction?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.28	0.59	0.00	0.27	0.18	0.25	0.30	0.25	0.56	0.00	0.61	0.70	0.24	0.00	1.25	0.00	0.00	0.00	1.35	0.00	0.38	0.44
1972-73 SE OF P-VAL	0.13	0.37	0.00	0.27	0.18	0.19	0.19	0.14	0.56	0.00	0.62	0.53	0.25	0.00	1.20	0.00	0.00	0.00	1.38	0.00	0.38	0.28
1972-73 DELTA-P		0.31	-0.28*	-0.01	-0.10	-0.03	0.02	-0.03	0.28	-0.28*	0.33	0.42	-0.04	-0.28*	0.97	-0.28*	-0.28*	-0.28*	1.07	-0.28*	0.10	0.16
1972-73 SE OF DP		0.28	0.13	0.22	0.19	0.14	0.12	0.08	0.50	0.13	0.59	0.47	0.20	0.13	1.13	0.13	0.13	0.13	1.31	0.13	0.36	0.20
AGE: Ad																						
Response did not occur at this age.																						
RESPONSE: 01 AGE: 17 TEXT: Build it. I can save money.																						
1972-73 P-VALUE	1.04	1.12	0.36	1.66	0.81	1.55	0.60	1.06	1.14	0.60	1.12	0.20	1.21	1.16	0.97	0.51	0.88	1.56	0.00	2.34	1.43	0.50
1972-73 SE OF P-VAL	0.26	0.44	0.22	0.72	0.37	0.40	0.33	0.29	0.63	0.56	0.75	0.14	0.59	0.42	0.67	0.53	0.51	0.90	0.00	1.04	0.78	0.24
1972-73 DELTA-P		0.08	-0.68*	0.62	-0.23	0.51	-0.44	0.02	0.10	-0.44	0.08	-0.84#	0.17	0.12	-0.07	-0.53	-0.16	0.52	-1.04#	1.30	0.39	-0.54
1972-73 SE OF DP		0.39	0.30	0.54	0.37	0.28	0.24	0.10	0.57	0.61	0.77	0.28	0.46	0.32	0.67	0.56	0.54	0.82	0.26	0.86	0.73	0.29
AGE: Ad																						
1972-73 P-VALUE	0.91	0.75	1.78	0.38	0.96	0.87	0.95	0.56	3.20	1.98	1.80	0.93	0.23	0.53	3.14	0.89	2.68	0.38	0.00	0.00	0.95	1.15
1972-73 SE OF P-VAL	0.23	0.56	0.60	0.25	0.46	0.36	0.37	0.18	1.49	1.09	0.73	0.53	0.19	0.33	3.21	0.67	1.63	0.38	0.00	0.00	0.68	0.44
1972-73 DELTA-P		-0.16	0.87	-0.53	0.05	-0.04	0.04	-0.35*	2.29	1.07	0.89	0.02	-0.68*	-0.38	2.23	-0.02	1.77	-0.53	-0.91#	-0.91#	0.04	0.24
1972-73 SE OF DP		0.46	0.51	0.29	0.40	0.29	0.27	0.16	1.35	1.02	0.58	0.52	0.30	0.33	3.14	0.63	1.50	0.44	0.23	0.23	0.68	0.33
RESPONSE: 02 AGE: 17 TEXT: Build it. It will be good for my community.																						
1972-73 P-VALUE	1.38	0.67	1.61	1.58	1.78	1.93	0.91	1.03	3.30	1.70	1.98	1.53	1.29	1.31	1.29	1.98	2.23	0.23	0.64	1.76	0.71	1.48
1972-73 SE OF P-VAL	0.35	0.50	0.74	0.79	0.74	0.61	0.35	0.33	1.07	1.28	1.34	0.83	0.46	0.61	0.74	1.24	0.84	0.22	0.39	1.16	0.51	0.62
1972-73 DELTA-P		-0.71	0.23	0.20	0.40	0.55	-0.47	-0.35*	1.92*	0.32	0.60	0.15	-0.09	-0.07	-0.09	0.60	0.85	-1.15#	-0.74	0.38	-0.67	0.10
1972-73 SE OF DP		0.48	0.67	0.63	0.64	0.36	0.31	0.17	0.93	1.17	1.26	0.83	0.40	0.39	0.77	1.19	0.79	0.40	0.50	1.01	0.52	0.44
AGE: Ad																						
1972-73 P-VALUE	4.86	3.44	6.17	4.97	5.13	6.47	3.37	4.50	7.63	5.15	7.21	2.60	5.55	2.97	5.56	5.20	5.54	4.00	5.16	1.39	4.70	5.96
1972-73 SE OF P-VAL	0.55	0.86	0.85	1.23	1.31	0.97	0.55	0.57	2.02	2.24	1.28	0.89	1.08	0.74	3.46	2.12	1.83	1.56	2.54	0.69	1.82	0.75
1972-73 DELTA-P		-1.42	1.31	0.11	0.27	1.61#	-1.49#	-0.36	2.77	0.29	2.35*	-2.26*	0.69	-1.89#	0.70	0.34	0.68	-0.86	0.30	-3.47#	-0.16	1.10
1972-73 SE OF DP		0.82	0.86	0.98	1.07	0.57	0.53	0.27	1.84	2.14	1.00	0.96	0.87	0.66	3.49	2.09	1.74	1.51	2.33	0.81	1.58	0.60
RESPONSE: 03 AGE: 17 TEXT: Build it. I'll have all the electricity I need.																						
1972-73 P-VALUE	0.41	0.14	1.12	0.28	0.27	0.25	0.55	0.14	1.71	1.14	1.83	0.00	0.27	0.15	2.23	0.00	1.06	0.00	1.67	0.42	0.00	0.33
1972-73 SE OF P-VAL	0.14	0.14	0.52	0.28	0.20	0.16	0.24	0.08	0.69	1.10	1.13	0.00	0.19	0.11	1.46	0.00	0.60	0.00	1.29	0.40	0.00	0.18
1972-73 DELTA-P		-0.27	0.71	-0.13	-0.14	-0.16	0.14	-0.27*	1.30*	0.73	1.42	-0.41#	-0.14	-0.26	1.82	-0.41#	0.65	-0.41#	1.26	0.01	-0.41#	-0.08
1972-73 SE OF DP		0.17	0.43	0.23	0.21	0.15	0.13	0.13	0.58	1.04	1.06	0.14	0.19	0.15	1.37	0.14	0.55	0.14	1.21	0.36	0.14	0.17
AGE: Ad																						
1972-73 P-VALUE	1.47	3.48	0.87	0.77	0.69	2.09	0.90	1.40	0.82	3.81	1.26	1.56	0.84	0.24	20.58	0.00	1.43	0.94	7.76	1.77	0.78	0.61
1972-73 SE OF P-VAL	0.61	2.24	0.39	0.42	0.42	1.21	0.32	0.71	0.68	2.13	0.48	0.81	0.44	0.20	16.78	0.00	0.83	0.69	6.04	1.06	0.66	0.24
1972-73 DELTA-P		2.01	-0.60	-0.70	-0.78	0.62	-0.57	-0.07	-0.65	2.34	-0.21	0.09	-0.63	-1.23	19.11	-1.47*	-0.04	-0.53	6.29	0.30	-0.69	-0.86
1972-73 SE OF DP		1.67	0.68	0.67	0.67	0.64	0.61	0.18	0.86	2.13	0.70	0.87	0.68	0.62	16.22	0.61	0.93	0.86	5.49	1.06	0.85	0.61
RESPONSE: 04 AGE: 17 TEXT: Don't build it since it will pollute the water and the air.																						
1972-73 P-VALUE	17.76	18.65	18.59	12.78	21.94	17.26	18.19	16.01	22.80	29.61	22.16	18.01	17.17	17.29	18.63	12.28	23.84	18.56	11.81	18.35	16.63	17.63
1972-73 SE OF P-VAL	0.91	2.27	1.48	1.82	1.71	1.29	1.11	0.98	2.72	4.04	3.64	2.38	1.40	1.70	2.85	2.42	3.21	5.50	3.20	2.17	2.05	1.39
1972-73 DELTA-P		0.89	0.83	-4.98#	4.18#	-0.50	0.43	-1.75#	5.04	11.85#	4.40	0.25	-0.59	-0.47	0.87	-5.48*	6.08	0.80	-5.95	0.59	-1.13	-0.13
1972-73 SE OF DP		1.77	1.46	1.31	1.52	0.84	0.72	0.52	2.55	3.87	3.55	2.03	1.48	1.17	2.87	2.51	3.07	4.99	3.15	2.04	2.04	1.37
AGE: Ad																						
1972-73 P-VALUE	10.83	11.55	10.53	7.71	13.80	9.67	11.91	9.35	16.37	23.41	13.15	12.64	9.02	9.62	9.15	13.06	19.53	7.33	11.62	16.34	7.61	8.61
1972-73 SE OF P-VAL	0.83	1.63	1.30	1.51	2.05	1.26	1.15	0.83	3.30	5.22	1.44	2.95	1.62	1.49	3.93	3.44	4.59	2.26	3.49	3.17	1.71	1.02
1972-73 DELTA-P		0.72	-0.30	-3.12*	2.97	-1.16	1.08	-1.48#	5.54	12.58*	2.32	1.81	-1.81	-1.21	-1.68	2.23	8.70	-3.50	0.79	5.51	-3.22	-2.22*
1972-73 SE OF DP		1.41	1.30	1.30	1.67	0.90	0.84	0.49	2.99	5.15	1.28	2.69	1.36	1.35	3.94	3.39	4.43	2.09	3.35	2.99	1.63	0.90

* The absolute value of this number is greater than 2.0 times its standard error.

# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303033-34 RB272

A coal-burning electric power plant is proposed that will reduce electricity costs and prevent power failures. It will also cause pollution. What is YOUR reaction?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION*					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05* AGE: 17 TEXT: Don't build it,without first determining the effect on the environment.																						
1972-73 P-VALUE	77.86	78.21	76.16	81.64	74.44	77.68	78.01	80.52	67.21	66.49	70.28	78.39	78.12	79.24	74.23	83.93	70.27	78.63	82.45	75.73	80.20	78.42
1972-73 SE OF P-VAL	1.09	2.49	2.57	1.96	1.35	1.37	1.35	1.20	3.12	3.98	3.47	2.70	1.76	1.87	3.24	2.74	3.70	5.31	3.72	2.25	2.32	1.78
1972-73 DELTA-P		0.35	-1.70	3.78*	-3.42*	-0.18	0.15	2.66#	-10.65#	-11.37#	-7.58*	0.53	0.26	1.38	-3.63	6.07*	-7.59*	0.77	4.59	-2.13	2.34	0.56
1972-73 SE OF DP		1.98	2.27	1.68	1.65	0.89	0.76	0.57	2.90	3.92	3.30	2.33	1.63	1.33	3.33	2.81	3.51	4.82	3.65	2.21	2.22	1.50
AGE: A6																						
1972-73 P-VALUE	79.12	77.94	76.33	84.62	76.71	78.74	79.87	81.97	66.12	59.57	71.33	79.33	82.24	85.57	58.69	75.08	67.05	85.09	73.21	78.14	83.31	80.07
1972-73 SE OF P-VAL	1.30	3.31	2.58	1.87	2.73	2.08	1.53	1.31	4.40	5.76	2.76	3.36	1.82	1.64	13.40	3.68	5.52	2.63	6.64	3.26	2.22	1.62
1972-73 DELTA-P		-1.18	-3.09	5.50#	-2.41	-0.38	0.35	2.85#	-13.00#	-19.55#	-7.79#	0.21	3.12	6.45#	-20.43	-4.04	-12.07#	6.77#	-5.91	-0.98	4.19	1.75
1972-73 SE OF DP		2.68	2.39	1.84	2.33	1.32	1.23	0.63	3.90	5.85	2.26	3.15	1.75	1.72	12.73	3.61	5.13	2.61	6.08	3.08	2.21	1.35
RESPONSE: 09 AGE: 17 TEXT: I don't have any reaction.																						
1972-73 P-VALUE	1.27	0.64	2.17	1.81	0.58	1.07	1.44	0.99	3.29	0.47	2.01	1.18	1.70	0.85	1.41	1.32	1.72	1.02	2.07	1.80	0.65	1.20
1972-73 SE OF P-VAL	0.28	0.43	0.85	0.63	0.32	0.37	0.39	0.27	1.22	0.45	1.04	0.85	0.58	0.32	0.87	0.81	0.86	0.77	1.17	0.73	0.45	0.41
1972-73 DELTA-P		-0.63	0.90	0.54	-0.69	-0.20	0.17	-0.28	2.02	-0.80	0.74	-0.09	0.43	-0.42	0.14	0.05	0.45	-0.25	0.80	0.13	-0.62	-0.07
1972-73 SE OF DP		0.41	0.72	0.50	0.37	0.27	0.23	0.17	1.06	0.50	1.00	0.77	0.43	0.29	0.84	0.80	0.76	0.72	1.07	0.64	0.49	0.34
AGE: A6																						
1972-73 P-VALUE	2.80	2.84	4.61	1.54	2.70	2.15	3.40	2.22	5.85	6.07	5.24	2.93	2.10	1.04	2.88	5.76	3.76	1.45	2.24	2.35	2.63	2.78
1972-73 SE OF P-VAL	0.49	0.85	1.79	0.78	0.53	0.74	0.62	0.47	1.96	2.27	1.46	1.40	0.56	0.51	1.82	3.32	1.84	0.93	1.58	1.16	1.55	0.58
1972-73 DELTA-P		0.04	1.81	-1.26	-0.10	-0.65	0.60	-0.58*	3.05	3.27	2.44*	0.13	-0.70	-1.76#	0.08	2.96	0.96	-1.35	-0.56	-0.65	-0.17	-0.02
1972-73 SE OF DP		0.77	1.46	0.73	0.61	0.49	0.45	0.24	1.76	2.23	1.13	1.28	0.59	0.60	1.83	3.02	1.77	0.92	1.53	1.18	1.08	0.52

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Indicate whether you approve or disapprove of pure scientific research in each area described on this and the following two pages.

A. Modification of inherited traits in humans

● Yes, I approve of such research.
○ No, I do not approve of such research.

○ I don't know.

B. Space exploration

● Yes, I approve of such research.
○ No, I do not approve of such research.

○ I don't know.

C. Pesticides and herbicides

● Yes, I approve of such research.
○ No, I do not approve of such research.

○ I don't know.

D. Atomic energy

● Yes, I approve of such research.
○ No, I do not approve of such research.

○ I don't know.

(Continued)

E. Production of life in the laboratory

● Yes, I approve of such research.
○ No, I do not approve of such research.

○ I don't know.

F. Air and water pollution

● Yes, I approve of such research.
○ No, I do not approve of such research.

○ I don't know.

G. Extraction of food from plants growing in the sea

● Yes, I approve of such research.
○ No, I do not approve of such research.

○ I don't know.

H. Heart transplants

● Yes, I approve of such research.
○ No, I do not approve of such research.

○ I don't know.

(Continued)

I. Population control

● Yes, I approve of such research.

○ No, I do not approve of such research.

○ I don't know.

J. Origins of the universe

● Yes, I approve of such research.

○ No, I do not approve of such research.

○ I don't know.

K. If you wish, offer a comment on any one of the above.

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NAEP #:             303042-34

72-73 Report #: RU273

72-73 Obj:     III. APPRECIATE  THE  KNOWLEDGE  AND  PROCESSES OF
                    SCIENCE, THE CONSEQUENCES AND LIMITATIONS  OF
                    SCIENCE,   AND   THE   PERSONAL   AND  SOCIAL
                    RELEVANCE OF SCIENCE AND  TECHNOLOGY  IN  OUR
                    SOCIETY.
72-73 Subobj:    C. Appreciate the scientific enterprise.

Science Type:       Unclassified

Exercise Type:            Multiple part multiple choice plus short answer
Scoring Type:             Machine plus professional
Administration Mode:      Group

Age:                                                      17IS    Adult
72-73 Package-Exercise:                                   08-05   03-27

72-73 National P-val:
                 RU273A
                 RU273B                                   72.23   62.69
                 RU273C                                   70.19   76.14
                 RU273D                                   74.44   80.40
                 RU273E                                   71.69   81.39
                 RU273F                                   51.84   47.96
                 RU273G                                   94.95   96.11
                 RU273H                                   82.31   85.14
                 RU273I                                   84.39   85.07
                 RU273J                                   77.33   85.36
                 RU273K                                   65.69   70.78
                                                          22.75   21.49
Timing: (in seconds)
  RU273                Introduction:
                           Stimulus:                        9      10
                           Response:                       10      13
                       I don't know:                        6       *
                              Pause:                        4       *
  RU273A                 Part total:                        5       *
                           Stimulus:                       25       *
                           Response:                        8       3
                       I don't know:                        5       *
                              Pause:                        1       *
  RU273B                 Part total:                        3       *
                           Stimulus:                       17       *
                           Response:                        9       3
                       I don't know:                        6       *
                              Pause:                        1       *
  RU273C                 Part total:                        4       *
                           Stimulus:                       20       *
                           Response:                        9       2
                       I don't know:                        5       *
                              Pause:                        1       *
                          Turn page:                        4       *
  RU273D                 Part total:                       (5)     (6)
                           Stimulus:                       19**     *
                                                            9       2
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		5	*
	Response:	1	*
	I don't know:	3	*
	Pause:	18	*
RU273E	Part total:	9	2
	Stimulus:	6	*
	Response:	1	*
	I don't know:	3	*
	Pause:	19	*
RU273F	Part total:	11	4
	Stimulus:	6	*
	Response:	1	*
	I don't know:	3	*
	Pause:	21	*
RU273G	Part total:	9	2
	Stimulus:	6	*
	Response:	1	*
	I don't know:	4	*
	Pause:	(5)	(6)
	Turn page:	20**	*
RU273H	Part total:	8	1
	Stimulus:	6	*
	Response:	1	*
	I don't know:	3	*
	Pause:	18	*
RU273I	Part total:	9	2
	Stimulus:	5	*
	Response:	1	*
	I don't know:	4	*
	Pause:	19	*
RU273J	Part total:	5	5
	Stimulus:	60	*
	Response:	65	*
RU273K	Part total:	270	*
RU273	Exercise total:		

*Time not limited by paced tape.

**Time to turn page is not included in total times.

Exercise 303042-3,4; RU 273

A-J. Indicate whether you approve or disapprove of pure scientific research in each area described on this and the following two pages.

K. If you wish, offer a comment on any one of the above.

00 = no response

Acceptable

10 = Positive comment on any one part

11 = Conditional comment on any one part

12 = General positive statement

Unacceptable

20 = Negative comment on any one part

21 = Other comments on any one part

22 = General negative or neutral statement

39 = I don't know

Note to Scorers: If respondent makes two comments on two subjects, score the first or the clearest.

T. Note: T is an additional scoring category based on responses to part K. T requires two digits.

If no comment on K (K = 00), T = 00.
If comment on K does not apply to any one part (K = 12, 22 or 39), T = 00.
If comment on K is on any one part (K = 10, 11, 20 or 21), T = 1 n where n is

0 if comment on Part A
1 if comment on Part B
2 if comment on Part C
3 if comment on Part D
4 if comment on Part E
5 if comment on Part F
6 if comment on Part G
7 if comment on Part H
8 if comment on Part I
9 if comment on Part J

Note: T = 00 if and only if K = 00, 12, 22 or 39.
T = 10-19 if and only if K = 10, 11, 20 or 21.

The following examples are scored using both T and K.

T = 00 General Comments

K = 12 General positive or conditional statement

All of these are important to man now, and most will become more important in the next 5 to 10 years to sustain life.

I approve of any pure scientific research which any scientist may do as long as the fruits of this research are controlled by the individual members of a society.

Scientific research is so needed in many fields. I would like more done in the medical field.

I believe in all forms of research as long as it is for the betterment of mankind and for our United States.

K = 22 General negative statement; other statements

On some of these projects I disapprove; more money could be going for education and our elderly. (disapproved on B, D, F, G, & J)

Hard questions to answer yes or no.

Most of the "No, I don't approve" answers are answered that way because I feel they have no value whatsoever

Some are too broad of a topic and I am not sure what you are talking about (pesticides and herbicides).

In these questions you should not just have the two extreme answers but there should also be an answer which is in the middle or moderate form.

T = 10 Part A Modification of inherited traits in humans (cont.)

K = 20 Negative comments

I do not believe in altering human life embryo, etc.

The science of geneology is one that I approve of but inherited traits of the human race ought not be altered.

Human life is something not to be taken for granted.

I do not approve of any attempt to create or alter human beings through science.

K = 21 Other comments
(no samples)

T = 11 Part B Space exploration

K = 10 Positive comments
(no samples)

K = 11 Conditional comments

I approve of space research but feel the government is spending too much money on it--let's get with cancer and other disease research instead.

I agree and disagree.

There should be monetary limits on B and J.

Space exploration is O.K. but too costly in comparison with its merits.

K = 20 Negative comments

Stay out of space and take care of the problems here on earth.

Research in space exploration should be curtailed because of the financial investment and pressing need for such resources elsewhere. I would relate the same comment to atomic energy research. In brief, all research should enhance the life of human beings but science and technology has forgotten the masses except for the financial resourses they offer.

Space exploration may be good but I can't see using money for this when people are in need of food in America. I can't see how it can help the world.

K = 21 Other comments
(no samples)

T = 12 Part C Pesticides and herbicides

K = 10 Positive comments

We need more ways of growing foods so I approve of C.

More research should be made to find pesticides that will not pollute the land, air, or water.

K = 11 Conditional comments

Pesticides, herbicides only as an aid to ranchers & farmers and not as warfare usage.

K = 20 Negative comments

Disapprove of pesticides and herbicides: That is, the production of such.

K = 21 Other comments
(no samples)

T = 13 Part D Atomic energy

K = 10 Positive comments
(no samples)

K = 11 Conditional comments

Yes, but I think atomic research should not be used for any kind of weaponry.

Atomic energy can or cannot be used for the progress or well being of mankind. Not as strongly yes on this as on others.
I approve of the research of atomic energy for peaceful purposes only.

K = 20 Negative comments
Atomic energy in my opinion is asking for trouble, due to its strength.

K = 21 Other comments
(no samples)

T = 14 Part E Production of life in the laboratory

K = 10 Positive comments
(no samples)

K = 11 Conditional comments
My 'IDK' answer to part E simply says--I'm not sure--depending on for what purpose.
Life in the lab should be restricted to plants and small animals with the end result to end disease and help life, not to improve a breed of animals or humans.
I do not feel that human life should be produced under laboratory conditions, other life forms such as plant life forms are acceptable to me.
I do not approve of reproducing human life in the laboratory.
I approve of production of life in the lab only to give greater knowledge of how the human cells perform, not to create life.

K = 20 Negative comments
I do not feel we should have laboratory people because some day it would be all highly one strand of people such as Hitler.
As long as humans can produce there is not a need to fool around in a laboratory to produce life.
I am not convinced that we should interfere with "creation of life".
I don't think that life should be produced on a laboratory level--we have become a machine oriented scheduled society, numbered enough--let us keep parents and children.
I think creation and control of human life should be left to God.
Only God can create.
I believe that only God should give life and only God should take it away, but I believe we should try to make it better.

K = 21 Other comments
E would be interesting but the possible results could be regretful.
I believe in producing life in laboratories for those otherwise unable to have children.

T = 15 Part F Air and water pollution

K = 10 Positive comments
Research into air and water pollution is a must if we are to continue to exist and not create a social tinderbox in our enivronment.
I believe it's a good thing to try and improve the environment and make the earth a good place to live.
Something has got to be done soon with air and water pollution.

K = 11 Conditional comments
(no samples)

K = 20 Negative comments
(no samples)

K = 21 Other comments
(no samples)

T = 16 Part G Extraction of food from plants growing in the sea

K = 10 Positive comments
Plant life of the sea will probably be a main source for food in the future.

K = 11 Conditional comments
(no samples)

K = 20 Negative comments
(no samples)

K = 21 Other comments
(no samples)

T = 17 Part H Heart Transplants

K = 10 Positive comments
Should study more on heart transplants.
To find out more about hearts.

K = 11 Conditional comments
(no samples)

K = 20 Negative comments
(no samples)

K = 21 Other comments
Depends on patient's over all health, age, etc.

T = 18 Part I Population control

K = 10 Positive comments
I think population control is most important and should be studied until we find an answer to the overcrowding--which breeds disease and poverty.
Population control - I feel if nothing is done, soon there will be too many people and not enough food to feed them.
Population control - 2 children per family.
"Right on" with population control.

K = 11 Conditional comments
Population control but not abortion, if this is a means of control.
I approve of population control in the sense of finding methods of contraception so individuals can decide when they do or don't want to add to the population.
(approve) That is so long as people are still free to choose for themselves.

K = 20 Negative comments
I do not believe in population control. Everyone should be able to plan their own families.

K = 21 Other comments
I don't go for abortions.
Population control--Offering the means of control but leaving it up to the individual to decide how much he enjoys children and how many he can enjoy and raise.
Population control--I believe that this particular subject should be left up to the individual.

T = 19 Part J Origins of the universe

K = 10 Positive comments
(no samples)

K = 11 Conditional comments
Yes to No. J. But only as second to making Earth better first.

K = 20 Negative comments
I do not believe that finding about the origin of the world will help us in any way.
Origin of the universe has already been answered--Genesis.
I believe only God can answer the origin of the universe. Humans will never find out through any other means.

K = 21 Other comments
Only Jesus Christ holds the key to paradise, we cannot discover the truth without Him!

EXERCISE: 303042-34 RU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part A. Modification of inherited traits in humans.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.12	0.23	0.00	0.21	0.00	0.13	0.11	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.40	0.00	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.08	0.22	0.00	0.21	0.00	0.12	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.41	0.00	0.00	0.00	0.17
1972-73 DELTA-P		0.11	-0.12	0.09	-0.12	0.01	-0.01	0.02	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	1.63	-0.12	-0.12	0.28	-0.12	-0.12	-0.12	0.06
1972-73 SE OF DP		0.18	0.08	0.16	0.08	0.09	0.08	0.02	0.08	0.08	0.08	0.08	0.08	0.08	1.15	0.08	0.08	0.36	0.08	0.08	0.08	0.13
AGE: Ad																						
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29
RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.																						
1972-73 P-VALUE	72.23	71.27	75.92	72.89	69.22	69.27	74.96	71.54	79.81	66.10	69.70	80.06	71.76	70.80	73.63	75.93	76.16	69.72	76.88	69.89	71.90	70.91
1972-73 SE OF P-VAL	1.23	2.05	2.01	2.47	3.02	1.81	1.48	1.37	2.33	5.98	4.41	2.96	2.06	1.76	4.03	3.51	3.53	3.45	4.56	3.85	3.37	1.97
1972-73 DELTA-P		-0.96	3.69	0.66	-3.01	-2.96#	2.73#	-0.69	7.58#	-6.13	-2.53	7.83#	-0.47	-1.43	1.40	3.70	3.93	-2.51	4.65	-2.34	-0.33	-1.32
1972-73 SE OF DP		1.90	1.96	2.03	2.48	1.15	1.07	0.46	2.34	5.77	4.13	2.61	1.58	1.42	3.96	3.36	3.40	3.23	4.35	3.66	3.02	1.57
AGE: Ad																						
1972-73 P-VALUE	62.69	61.78	60.90	61.27	66.38	58.79	66.31	64.92	47.68	57.20	57.26	60.49	65.22	68.65	44.41	57.79	52.01	73.76	62.72	66.48	67.36	59.94
1972-73 SE OF P-VAL	1.17	2.95	2.54	1.73	2.18	1.95	1.67	1.23	4.53	5.90	2.74	2.86	2.48	2.58	7.07	5.21	4.93	4.25	3.84	3.20	4.08	1.44
1972-73 DELTA-P		-0.91	-1.79	-1.42	3.69	-3.90#	3.62#	2.23#	-15.01#	-5.49	-5.43*	-2.20	2.53	5.96#	-18.28#	-4.90	-10.68*	11.07#	0.03	3.79	4.67	-2.75
1972-73 SE OF DP		2.43	2.28	1.64	1.88	1.43	1.33	0.66	4.20	5.75	2.45	2.80	2.10	2.36	7.04	4.97	4.50	3.94	3.66	3.25	3.84	1.44
RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.																						
1972-73 P-VALUE	19.00	19.31	17.20	19.00	20.26	22.18	16.07	19.78	13.11	19.75	16.67	14.60	19.39	20.79	14.86	17.01	18.64	16.67	18.31	22.68	22.33	18.32
1972-73 SE OF P-VAL	1.08	2.45	1.60	1.64	2.69	1.56	1.38	1.20	1.84	4.53	3.21	2.65	1.77	1.52	3.78	2.48	3.42	2.57	4.68	2.75	3.32	1.81
1972-73 DELTA-P		0.31	-1.80	0.00	1.26	3.18#	-2.93#	0.78*	-5.89#	0.75	-2.33	-4.40	0.39	1.79	-4.14	-1.99	-0.36	-2.33	-0.69	3.68	3.33	-0.68
1972-73 SE OF DP		2.03	1.62	1.52	2.20	1.05	0.97	0.39	1.86	4.30	2.96	2.54	1.36	1.10	3.67	2.47	3.15	2.31	4.44	2.62	2.99	1.27
AGE: Ad																						
1972-73 P-VALUE	23.02	24.12	23.71	22.26	22.31	27.58	18.79	22.33	28.12	23.84	24.87	24.00	21.62	23.22	15.75	22.27	27.04	18.91	25.39	22.09	18.93	24.54
1972-73 SE OF P-VAL	1.00	1.88	2.16	2.04	1.89	1.84	1.42	1.10	3.41	4.30	2.45	2.59	1.93	2.02	3.91	4.02	3.09	3.43	2.22	2.82	2.83	1.81
1972-73 DELTA-P		1.10	0.69	-0.76	-0.71	4.56#	-4.23#	-0.69	5.10	0.82	1.85	0.98	-1.40	0.20	-7.27	-0.75	4.02	-4.11	2.37	-0.93	-4.09	1.52
1972-73 SE OF DP		1.69	1.94	1.66	1.63	1.34	1.23	0.50	3.27	4.10	1.93	2.60	1.58	1.95	3.99	3.05	3.56	3.21	2.03	2.95	2.84	1.44
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.65	9.20	6.87	7.90	10.52	8.42	8.86	8.54	7.08	14.15	13.63	5.33	8.84	8.41	9.76	7.06	5.19	13.20	4.81	7.42	5.77	10.59
1972-73 SE OF P-VAL	0.89	1.56	0.96	1.73	2.36	1.26	1.09	1.01	1.71	5.13	3.69	1.28	1.31	1.21	2.42	1.93	1.41	3.17	1.39	2.51	1.26	1.98
1972-73 DELTA-P		0.55	-1.78	-0.75	1.87	-0.23	0.21	-0.11	-1.57	5.50	4.98	-3.32*	0.19	-0.24	1.11	-1.59	-3.46*	4.55	-3.84*	-1.23	-2.88	1.94
1972-73 SE OF DP		1.41	1.15	1.43	1.91	0.81	0.75	0.34	1.82	4.98	3.36	1.39	1.03	0.82	2.10	1.96	1.60	2.86	1.66	2.36	1.55	1.48
AGE: Ad																						
1972-73 P-VALUE	14.01	12.92	15.40	16.47	11.31	13.04	14.91	12.75	21.45	18.97	17.88	15.51	12.24	8.14	39.85	19.94	17.96	7.34	11.89	11.43	13.71	15.52
1972-73 SE OF P-VAL	0.85	2.03	1.73	1.77	1.00	1.22	1.24	0.98	2.90	3.49	1.74	2.17	1.73	1.59	7.45	2.37	2.44	2.08	2.87	1.70	3.04	1.60
1972-73 DELTA-P		-1.09	1.39	2.46	-2.70#	-0.97	0.90	-1.26#	7.44#	4.96	3.87*	1.50	-1.77	-5.87#	25.84#	5.93#	3.95	-6.67#	-2.12	-2.58	-0.30	1.51
1972-73 SE OF DP		1.69	1.58	1.41	1.08	0.92	0.85	0.41	2.87	3.45	1.75	1.99	1.37	1.36	7.45	2.37	2.37	2.06	2.85	1.80	2.76	1.12

EXERCISE: 303042-34 RU273

Part B. Space exploration.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.12	0.23	0.00	0.21	0.00	0.13	0.11	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.40	0.00	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.08	0.22	0.00	0.21	0.00	0.12	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.41	0.00	0.00	0.00	0.17
1972-73 DELTA-P		0.11	-0.12	0.09	-0.12	0.01	-0.01	0.02	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	1.63	-0.12	-0.12	0.28	-0.12	-0.12	-0.12	0.06
1972-73 SE OF DP		0.18	0.08	0.16	0.08	0.09	0.08	0.02	0.08	0.08	0.08	0.08	0.08	0.08	1.15	0.08	0.08	0.36	0.08	0.08	0.08	0.13

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 RU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part B. Space exploration.

RESPONSE: 00 AGE: Ad TEXT: No Pesponse.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	C.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29

RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	70.19	69.79	67.21	67.85	75.98	75.33	65.45	72.95	51.54	68.00	56.99	64.54	67.79	77.00	59.20	63.82	60.90	74.90	73.58	74.15	73.29	69.35
1972-73 SE OF P-VAL	0.99	1.64	2.17	1.86	2.17	1.50	1.55	1.06	3.61	3.61	4.86	3.15	1.70	1.33	4.46	3.86	4.25	2.81	3.36	2.63	3.38	1.68
1972-73 DELTA-P		-0.40	-2.98	-2.34	5.79#	5.14#	-4.74#	2.76#	-18.65#	-2.19	-13.20#	-5.65	-2.40	6.81#	-10.99#	-6.37	-9.29*	4.71	3.39	3.96	3.10	-0.84
1972-73 SE OF DP		1.52	1.91	1.57	1.84	1.21	1.17	0.64	3.27	3.55	4.77	3.11	1.35	0.98	4.37	3.59	4.11	2.63	3.21	2.81	3.13	1.49

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	76.14	77.31	75.03	70.24	82.18	83.39	69.40	79.37	49.86	76.36	69.55	73.72	76.73	85.60	59.12	70.17	65.30	84.26	74.98	81.48	75.57	75.97
1972-73 SE OF P-VAL	1.38	2.90	2.94	2.83	2.33	1.66	1.90	1.36	4.66	4.23	2.47	3.28	2.21	2.00	7.17	5.27	4.76	3.34	4.39	3.16	4.40	2.18
1972-73 DELTA-P		1.17	-1.11	-5.90#	6.04#	7.25#	-6.74#	3.23#	-26.28#	0.22	-6.59#	-2.42	0.59	9.46#	-17.02*	-5.97	-10.84*	8.12#	-1.16	5.34	-0.57	-0.17
1972-73 SE OF DP		2.50	2.65	2.39	2.07	1.25	1.13	0.60	4.38	4.21	2.01	2.56	1.85	1.92	7.07	5.05	4.48	3.17	4.56	3.07	3.94	1.57

RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	26.69	27.51	28.94	27.97	22.35	22.28	30.76	24.04	45.12	27.60	37.05	33.50	29.47	20.25	34.36	32.58	35.69	22.78	23.73	24.23	25.40	26.12
1972-73 SE OF P-VAL	0.95	1.63	2.06	1.78	2.18	1.41	1.57	0.95	3.60	3.72	4.80	3.13	1.78	1.24	4.15	4.26	3.92	2.36	3.72	2.78	3.30	1.62
1972-73 DELTA-P		0.82	2.25	1.28	-4.34*	-4.41#	4.07#	-2.65#	18.43#	0.91	10.36*	6.81*	2.78	-6.44#	7.67	5.89	9.00*	-3.91	-2.96	-2.46	-1.29	-0.57
1972-73 SE OF DP		1.50	1.82	1.52	1.83	1.20	1.15	0.61	3.26	3.56	4.63	3.14	1.81	1.00	4.00	3.99	3.74	2.21	3.51	2.92	3.04	1.51

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	19.61	18.45	21.44	24.75	13.81	14.06	24.77	17.50	39.63	14.39	24.75	23.63	18.68	12.66	23.54	24.74	27.51	11.24	20.23	16.82	22.57	19.44
1972-73 SE OF P-VAL	1.23	2.57	2.50	2.78	1.97	1.43	1.63	1.22	4.63	3.29	2.20	3.00	1.52	1.85	6.08	3.92	4.02	2.91	3.49	2.83	3.90	2.15
1972-73 DELTA-P		-1.16	1.83	5.14*	-5.80#	-5.55#	5.16#	-2.11#	20.02#	-5.22	5.14#	4.02	-0.93	-6.95#	3.93	5.13	7.90*	-8.37#	0.62	-2.79	2.96	-0.17
1972-73 SE OF DP		2.22	2.29	2.26	1.79	1.02	0.93	0.53	4.29	3.28	1.75	2.33	1.32	1.68	5.84	3.86	3.72	2.78	3.70	2.73	3.57	1.52

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	3.00	2.47	3.84	3.97	1.67	2.26	3.68	2.87	3.33	4.40	5.95	1.96	2.74	2.75	4.69	3.60	3.41	1.92	2.69	1.61	1.30	4.35
1972-73 SE OF P-VAL	0.47	0.69	0.79	1.31	0.48	0.56	0.71	0.55	0.84	1.96	1.99	0.78	0.86	0.60	1.62	1.03	1.15	0.85	1.55	0.94	0.88	1.09
1972-73 DELTA-P		-0.53	0.84	0.97	-1.33*	-0.74	0.68	-0.13	0.33	1.40	2.95	-1.04	-0.26	-0.25	1.69	0.60	0.41	-1.08	-0.31	-1.39	-1.70#	1.35
1972-73 SE OF DP		0.67	0.76	0.97	0.58	0.45	0.42	0.16	0.89	1.95	1.93	0.83	0.56	0.36	1.72	1.00	1.15	0.86	1.50	0.93	0.67	0.74

AGF: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUZ	3.97	3.06	3.54	5.01	4.01	1.96	5.83	3.13	7.75	9.26	5.70	2.66	3.68	1.74	17.34	5.10	4.20	4.50	4.80	1.71	1.86	4.59
1972-73 SE OF P-VAL	0.52	0.61	0.76	1.33	0.99	0.46	0.86	0.52	2.49	4.32	1.28	0.83	1.13	0.64	6.25	1.99	1.12	1.94	1.75	0.76	1.01	0.82
1972-73 DELTA-P		-0.91	-0.43	1.04	0.04	-2.01#	1.86#	-0.84*	3.78	5.29	1.73	-1.31	-0.29	-2.23#	13.37*	1.13	0.23	0.53	0.83	-2.26*	-2.11*	0.62
1972-73 SE OF DP		0.68	0.70	1.00	0.85	0.48	0.45	0.40	2.35	4.15	1.15	0.88	0.89	0.68	6.11	1.90	1.20	1.67	1.55	0.91	1.05	0.65

EXERCISE: 303042-34 RU273

Part C. Pesticides and herbicides.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	0.12	0.23	0.00	0.21	0.00	0.13	0.11	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.40	0.00	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.08	0.22	0.00	0.21	0.00	0.12	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.41	0.00	0.00	0.00	0.17
1972-73 DELTA-P		0.11	-0.12	0.09	-0.12	0.01	-0.01	0.02	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	1.63	-0.12	-0.12	0.28	-0.12	-0.12	-0.12	0.06
1972-73 SE OF DP		0.18	0.08	0.16	0.08	0.09	0.08	0.02	0.08	0.08	0.08	0.08	0.08	0.08	1.15	0.08	0.08	0.36	0.08	0.08	0.08	0.13

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
EXERCISE: 303042-36 RU273																						
Indicate whether you approve or disapprove of pure scientific research in each area described.																						
Part C. Pesticides and herbicides.																						
RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.																						
1972-73 P-VALUE	74.44	74.59	75.11	73.11	75.25	72.33	76.38	76.59	67.05	56.27	67.80	64.99	72.62	80.36	66.26	77.10	60.57	77.78	79.26	70.27	75.33	75.78
1972-73 SE OF P-VAL	1.25	2.06	2.19	2.72	2.78	1.79	1.52	1.31	3.26	4.50	3.97	3.84	1.87	1.53	4.03	3.48	3.28	3.95	3.62	4.25	3.74	1.34
1972-73 DELTA-P		0.15	0.67	-1.33	0.81	-2.11	1.94	2.15#	-7.39*	-18.17#	-6.64	-9.45#	-1.82	5.92#	-8.18*	2.66	-13.87#	3.34	4.82	-4.17	0.89	1.34
1972-73 SE OF DP		1.91	2.08	2.18	2.34	1.13	1.03	0.51	3.11	4.45	3.55	3.43	1.72	1.04	3.73	3.34	3.28	3.50	3.37	3.89	3.60	1.34
AGE: Ad																						
1972-73 P-VALUE	80.40	81.48	77.08	80.34	82.04	82.43	78.51	84.06	56.80	69.61	72.59	76.16	84.65	87.90	61.91	85.55	64.74	85.81	83.63	81.11	82.17	79.91
1972-73 SE OF P-VAL	0.96	1.61	2.29	1.96	1.85	1.31	1.40	0.97	3.98	4.54	2.20	2.91	1.67	1.69	6.78	2.27	3.52	2.96	3.13	3.48	3.24	1.46
1972-73 DELTA-P		1.08	-3.32	-0.06	1.64	2.03*	-1.89*	3.66#	-23.60#	-10.79#	-7.81#	-4.24	4.25#	7.50#	-18.49#	5.15*	-15.66#	5.41*	3.23	0.71	1.77	-0.49
1972-73 SE OF DP		1.50	2.02	1.61	1.58	1.00	0.91	0.50	3.96	4.30	1.83	2.59	1.36	1.52	6.92	2.21	3.45	2.69	3.15	3.16	3.06	1.28
RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.																						
1972-73 P-VALUE	16.11	17.03	16.93	16.93	13.47	20.37	12.18	15.91	18.33	14.20	20.45	19.73	17.83	13.51	14.71	14.00	20.77	15.92	12.67	15.35	17.47	16.06
1972-73 SE OF P-VAL	0.96	1.35	2.18	1.66	2.18	1.35	1.19	0.99	2.84	3.76	4.16	3.22	1.59	1.37	3.04	2.63	2.89	3.33	2.35	3.18	3.41	1.16
1972-73 DELTA-P		0.92	0.82	0.82	-2.64	4.26#	-3.93#	-0.20	2.22	-1.91	4.34	3.62	1.72	-2.60#	-1.40	-2.11	4.66	-0.19	-3.44	-0.76	1.36	-0.05
1972-73 SE OF DP		1.33	1.90	1.43	1.80	0.94	0.82	0.41	2.63	3.64	3.90	2.95	1.47	1.00	2.98	2.48	2.84	3.15	2.22	2.99	3.04	1.06
AGE: Ad																						
1972-73 P-VALUE	8.70	8.21	11.80	7.85	7.66	9.22	8.22	8.25	13.29	7.01	8.55	11.05	7.68	8.21	12.02	6.00	10.10	8.98	4.51	7.54	8.16	10.23
1972-73 SE OF P-VAL	0.75	1.45	2.30	1.22	1.13	0.90	1.01	0.70	3.58	3.01	1.52	2.06	1.10	1.50	4.07	1.77	2.20	2.27	1.56	1.83	2.41	1.11
1972-73 DELTA-P		-0.49	3.10	-0.85	-1.04	0.52	-0.48	-0.45	4.59	-1.69	-0.15	2.35	-1.02	-0.49	3.32	-2.70	1.40	0.28	-4.19#	-1.16	-0.54	1.53
1972-73 SE OF DP		1.29	1.92	1.10	1.07	0.63	0.58	0.40	3.24	2.91	1.26	1.92	0.93	1.26	4.01	1.70	2.05	2.04	1.62	1.79	2.19	0.79
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	9.34	8.17	7.97	9.76	11.28	7.18	11.33	7.36	14.63	29.54	11.75	15.29	9.56	6.14	17.29	8.91	18.67	5.90	8.08	14.39	7.21	7.99
1972-73 SE OF P-VAL	0.92	1.43	1.61	2.08	2.02	1.14	1.19	0.89	2.61	5.19	2.78	2.44	1.36	0.90	2.05	3.03	3.30	1.73	2.79	3.10	1.55	1.13
1972-73 DELTA-P		-1.17	-1.37	0.42	1.94	-2.16#	1.99#	-1.98#	5.29*	20.20#	2.41	5.95#	0.22	-3.20#	7.95#	-0.43	9.33#	-3.44*	-1.26	5.05	-2.13	-1.35
1972-73 SE OF DP		1.35	1.53	1.64	1.72	0.77	0.70	0.46	2.46	5.04	2.49	2.10	0.93	0.78	2.50	2.87	2.97	1.61	2.50	2.76	1.60	1.08
AGE: Ad																						
1972-73 P-VALUE	10.62	9.13	11.12	11.82	10.31	7.76	13.27	7.69	27.15	23.38	18.87	12.79	6.75	3.89	26.07	8.46	22.17	5.21	11.87	11.36	9.67	9.87
1972-73 SE OF P-VAL	0.79	1.51	1.31	1.54	1.71	0.98	1.11	0.79	3.96	3.85	1.94	2.06	1.31	0.98	6.05	1.70	4.49	1.54	2.18	2.72	2.43	1.21
1972-73 DELTA-P		-1.49	0.50	1.20	-0.31	-2.86#	2.65#	-2.93#	16.53#	12.76#	8.25#	2.17	-3.87#	-6.73#	15.45#	-2.16	11.55#	-5.41#	1.25	0.74	-0.95	-0.75
1972-73 SE OF DP		1.34	1.29	1.28	1.41	0.73	0.67	0.55	3.84	3.57	1.50	1.91	1.21	1.06	6.02	1.74	4.19	1.53	2.30	2.51	2.35	1.00
EXERCISE: 303042-36 RU273																						
Part D. Atomic energy.																						
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.14	0.22	0.13	0.20	0.00	0.12	0.16	0.17	0.00	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.00	0.40	0.00	0.00	0.00	0.25
1972-73 SE OF P-VAL	0.09	0.22	0.13	0.21	0.00	0.12	0.12	0.10	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.41	0.00	0.00	0.00	0.19
1972-73 DELTA-P		0.08	-0.01	0.06	-0.14	-0.02	0.02	0.03	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	2.02	-0.14	-0.14	0.26	-0.14	-0.14	-0.14	0.11
1972-73 SE OF DP		0.18	0.13	0.16	0.09	0.09	0.08	0.02	0.09	0.09	0.09	0.09	0.09	0.09	1.22	0.09	0.09	0.36	0.09	0.09	0.09	0.14
AGE: Ad																						
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29
RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.																						
1972-73 P-VALUE	71.69	71.23	73.63	72.44	69.58	80.39	63.67	72.42	69.06	65.71	67.27	66.95	70.09	75.40	67.09	71.21	64.07	74.71	80.58	61.60	74.75	72.46
1972-73 SE OF P-VAL	1.23	2.55	2.38	2.22	2.72	1.29	1.90	1.40	3.17	4.91	4.32	2.91	1.86	1.53	4.01	3.00	4.20	3.56	2.47	3.94	3.22	2.16
1972-73 DELTA-P		-0.46	1.94	0.75	-2.11	8.70#	-8.02#	0.73	-2.63	-5.98	-4.42	-4.74	-1.60	3.71#	-4.60	-0.48	-7.62	3.02	8.89#	-10.09#	3.06	0.77
1972-73 SE OF DP		2.18	2.19	1.90	2.31	1.12	1.08	0.40	3.13	4.90	4.22	2.55	1.31	1.09	3.70	3.21	3.90	3.25	2.50	3.83	2.81	1.91

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 RU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part D. Atomic energy.

RESPONSE: 01* AGE: Ad TEXT: Yes, I approve of such research.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	81.39	82.78	79.04	80.85	82.52	90.22	73.18	83.54	67.33	75.48	76.84	79.33	84.08	86.56	60.24	78.70	69.65	86.85	85.64	84.43	81.51	81.03
1972-73 SE OF P-VAL	1.06	1.78	1.86	2.38	2.20	1.23	1.78	1.06	3.68	5.86	2.32	2.42	2.16	2.00	6.00	2.75	4.35	2.96	3.52	3.35	2.57	1.94
1972-73 DELTA-P		1.39	-2.35	-0.54	1.13	8.83#	-8.21#	2.15#	-14.06#	-5.91	-4.55*	-2.06	2.69	5.17#	-21.15#	-2.69	-11.74#	5.46	4.25	3.04	0.12	-0.36
1972-73 SE OF DP		1.66	1.78	1.98	1.84	1.20	1.01	0.58	3.39	5.60	2.06	2.42	1.60	1.71	6.63	2.77	4.07	2.78	3.60	3.19	2.55	1.40

RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	20.62	22.22	19.33	19.46	21.45	14.86	25.93	20.44	21.75	20.91	19.54	25.83	22.81	17.68	22.01	18.89	27.90	17.58	14.66	27.43	19.75	20.07
1972-73 SE OF P-VAL	1.18	2.24	2.37	2.26	2.60	1.27	1.55	1.36	2.58	4.93	3.46	2.53	2.07	1.31	3.59	2.28	3.99	2.68	2.25	3.56	3.29	2.15
1972-73 DELTA-P		1.60	-1.29	-1.16	0.83	-5.76#	5.31#	-0.18	1.13	0.29	-1.08	5.21*	2.19	-2.94#	1.39	-1.73	7.28	-3.04	-5.96#	6.81*	-0.87	-0.55
1972-73 SE OF DP		1.97	2.15	1.89	2.21	0.79	0.78	0.38	2.72	4.81	3.11	2.27	1.65	1.04	3.35	2.50	3.79	2.46	2.33	3.38	2.94	1.80

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	11.26	10.08	12.62	10.69	11.88	7.03	15.18	10.33	17.19	14.17	13.30	12.40	9.58	10.12	15.00	12.47	15.50	8.62	4.85	10.79	13.85	11.72
1972-73 SE OF P-VAL	0.80	1.38	1.66	1.59	1.65	0.90	1.18	0.86	2.52	3.92	1.66	1.93	1.48	1.02	4.23	2.98	2.87	2.28	1.65	2.50	2.32	1.26
1972-73 DELTA-P		-1.18	1.36	-0.57	0.62	-4.23#	3.92#	-0.93*	5.93*	2.91	2.04	1.14	-1.68	-1.14	3.74	1.21	4.24	-2.64	-6.41#	-0.47	2.59	0.46
1972-73 SE OF DP		1.27	1.50	1.31	1.38	0.78	0.66	0.38	2.40	3.00	1.51	1.05	1.23	1.55	4.15	2.07	2.66	2.04	1.64	2.47	2.17	1.02

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.55	6.33	6.92	7.90	8.97	4.63	10.24	6.96	9.19	13.38	13.19	7.22	7.11	6.92	8.74	9.90	8.04	7.32	4.77	10.97	5.50	7.22
1972-73 SE OF P-VAL	0.63	1.42	0.96	1.41	0.91	0.87	1.01	0.69	2.05	6.58	3.41	1.62	1.20	0.88	2.79	1.82	2.02	2.06	1.65	1.69	1.26	1.35
1972-73 DELTA-P		-1.22	-0.63	0.35	1.42	-2.92#	2.69#	-0.59	1.64	5.83	5.64	-0.33	-0.44	-0.63	1.19	2.35	0.49	-0.23	-2.78	3.42*	-2.05	-0.33
1972-73 SE OF DP		1.16	0.95	1.11	0.89	0.74	0.68	0.34	1.90	6.46	3.35	1.59	0.96	0.74	2.50	1.84	1.96	1.92	1.65	1.67	1.21	1.01

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.06	5.95	8.34	8.45	5.60	2.14	11.63	6.13	12.72	10.35	9.06	8.27	5.41	3.32	24.76	8.82	11.06	4.52	9.51	4.77	4.63	7.24
1972-73 SE OF P-VAL	0.66	0.96	1.33	1.78	1.03	0.45	1.14	0.74	2.16	2.92	1.73	2.22	1.15	0.82	6.35	2.37	2.00	1.52	2.97	1.97	1.40	1.21
1972-73 DELTA-P		-1.11	1.28	1.39	-1.46	-4.92#	4.57#	-0.93#	5.66#	3.29	2.00*	1.21	-1.65	-3.74#	17.70#	1.76	4.00#	-2.54	2.45	-2.29	-2.43	0.18
1972-73 SE OF DP		0.96	1.22	1.36	0.97	0.62	0.58	0.29	2.17	2.88	1.37	2.03	0.97	1.01	6.49	2.28	1.91	1.50	2.83	1.88	1.48	0.91

EXERCISE: 303042-34 RU273

Part E. Production of life in the laboratory.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.21	0.58	0.00	0.21	0.00	0.13	0.29	0.16	0.68	0.00	0.00	0.00	0.00	0.03	2.94	0.00	0.00	0.49	1.00	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.11	0.39	0.00	0.21	0.00	0.12	0.19	0.10	0.69	0.00	0.00	0.00	0.00	0.03	1.60	0.00	0.00	0.42	1.02	0.00	0.00	0.17
1972-73 DELTA-P		0.37	-0.21	0.00	-0.21	-0.08	0.08	-0.05	0.47	-0.21	-0.21	-0.21	-0.21	-0.18	2.73	-0.21	-0.21	0.28	0.79	-0.21	-0.21	-0.03
1972-73 SE OF DP		0.29	0.11	0.18	0.11	0.12	0.11	0.08	0.61	0.11	0.11	0.11	0.11	0.11	1.49	0.11	0.11	0.30	0.95	0.11	0.11	0.15

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.90	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29

RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	51.84	51.21	56.18	47.51	53.77	51.61	52.05	49.84	61.90	61.34	48.97	53.51	55.50	48.64	55.48	46.78	58.33	50.18	53.35	58.89	57.67	47.42
1972-73 SE OF P-VAL	1.61	3.41	2.78	3.32	2.95	2.14	1.94	1.75	3.28	6.05	4.98	4.30	2.02	2.34	3.43	6.38	4.01	2.37	3.69	3.45	3.83	3.37
1972-73 DELTA-P		-0.63	4.34	-4.33	1.93	-0.23	0.21	-2.00#	10.06#	9.50	-2.87	1.67	3.66*	-3.20*	3.64	-5.06	6.49	-1.66	1.51	7.05*	5.83	-4.42
1972-73 SE OF DP		2.89	2.63	2.67	2.66	1.30	1.28	0.50	3.13	6.17	4.75	3.83	1.57	1.44	3.51	5.98	4.06	2.60	3.73	3.26	3.68	2.69

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	47.96	50.16	46.61	43.20	52.04	51.56	44.62	48.15	51.38	39.14	47.87	42.46	49.72	49.65	45.42	50.19	41.13	51.58	46.56	49.15	57.72	45.12
1972-73 SE OF P-VAL	1.24	2.24	2.32	2.15	2.87	2.28	1.45	1.30	3.53	6.48	2.16	3.30	2.58	2.02	6.61	4.07	3.24	3.53	5.97	4.69	3.38	1.91
1972-73 DELTA-P		2.20	-1.35	-4.76#	4.08	3.60*	-3.34*	0.19	3.42	-8.82	-0.09	-5.50	1.76	1.69	-2.54	2.23	-6.83*	3.62	-1.40	1.19	9.76#	-2.84
1972-73 SE OF DP		2.03	2.16	1.87	2.28	1.49	1.39	0.53	3.39	6.02	2.05	2.01	2.20	2.53	6.40	4.07	3.28	3.33	5.55	4.29	3.30	1.74

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 RU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part E. Production of life in the laboratory.

RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	40.10	41.54	37.17	43.80	36.83	40.42	39.80	42.21	31.78	24.77	38.31	39.06	37.17	43.58	34.70	43.43	35.70	40.64	41.45	36.06	37.31	42.12
1972-73 SE OF P-VAL	1.54	3.43	2.72	3.06	2.77	2.04	1.85	1.63	3.18	5.82	5.09	3.89	2.09	2.33	3.73	6.00	3.95	3.00	4.67	2.74	4.03	2.88
1972-73 DELTA-P		1.44	-2.93	3.70	-3.27	0.32	-0.30	2.11#	-8.32#	-15.33#	-1.79	-1.04	-2.93	3.48*	-5.40	3.33	-4.40	0.54	1.35	-4.04	-2.79	2.02
1972-73 SE OF DP		2.87	2.56	2.50	2.50	1.23	1.14	0.50	2.95	5.88	5.04	3.64	1.56	1.50	3.65	5.53	3.79	2.06	4.54	2.77	3.85	2.20

AGE: A4

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	41.54	40.83	42.61	45.11	37.58	39.43	43.50	42.30	32.03	47.54	39.17	48.41	40.71	41.80	32.25	39.30	43.77	37.70	43.81	41.36	34.80	44.26
1972-73 SE OF P-VAL	1.50	3.08	1.97	2.58	3.69	2.51	1.68	1.50	3.74	8.00	2.12	3.57	2.66	3.00	6.24	3.48	4.13	4.81	7.07	3.46	3.06	2.32
1972-73 DELTA-P		-0.71	1.07	3.57	-3.96	-2.11	1.96	0.76	-9.51#	6.00	-2.37	6.87*	-0.83	0.26	-9.29	-2.24	2.23	-3.84	2.27	-0.18	-6.74*	2.72
1972-73 SE OF DP		2.67	2.13	2.28	2.91	1.57	1.46	0.57	3.72	7.27	1.95	2.97	2.15	2.49	6.38	3.75	3.86	4.26	6.32	3.27	3.11	2.09

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.85	6.67	6.64	8.48	9.40	7.84	7.86	7.79	5.64	13.89	12.72	7.42	7.33	7.74	6.88	9.79	5.96	8.69	4.20	5.05	5.02	10.28
1972-73 SE OF P-VAL	0.67	0.96	1.15	1.16	1.90	1.20	0.75	0.80	1.18	3.92	3.32	1.01	0.89	0.96	2.21	2.01	1.51	1.67	1.41	1.39	0.94	1.67
1972-73 DELTA-P		-1.18	-1.21	0.63	1.55	-0.01	0.01	-0.06	-2.21	6.04	4.87	-0.43	-0.52	-0.11	-0.97	1.94	-1.89	0.84	-3.65*	-2.80	-2.83#	2.43
1972-73 SE OF DP		0.95	1.10	1.01	1.51	0.76	0.70	0.28	1.36	3.81	3.02	1.70	0.87	0.63	2.09	1.99	1.53	1.60	1.49	1.44	1.08	1.23

AGE: A4

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	10.22	7.83	10.78	11.69	10.38	8.43	11.88	9.56	13.84	13.33	12.96	9.14	8.66	8.56	22.33	10.51	12.11	10.73	9.63	9.50	7.49	10.63
1972-73 SE OF P-VAL	1.00	1.88	1.34	2.51	2.27	1.19	1.45	1.12	2.98	8.21	2.17	1.65	1.66	1.63	6.30	3.82	3.29	3.22	3.52	3.18	1.50	1.44
1972-73 DELTA-P		-2.39	0.56	1.47	0.16	-1.79*	1.66*	-0.66	3.62	3.11	2.74	-1.08	-1.56	-1.66	12.11	0.29	1.89	0.51	-0.59	-0.72	-2.73	0.41
1972-73 SE OF DP		1.74	1.49	1.96	1.89	0.79	0.74	0.39	2.78	3.91	1.51	1.59	1.40	1.34	[illegible]	3.62	2.99	2.88	3.18	2.87	1.65	1.21

EXERCISE: 303042-34 RU273

Part F. Air and water pollution.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.19	0.53	0.00	0.20	0.00	0.12	0.26	0.13	0.67	0.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.39	1.00	0.00	0.00	0.17
1972-73 SE OF P-VAL	0.11	0.38	0.00	0.21	0.00	0.12	0.19	0.10	0.69	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.41	1.02	0.00	0.00	0.17
1972-73 DELTA-P		0.34	-0.19	0.01	-0.19	-0.07	0.07	-0.06	0.48	-0.19	-0.19	-0.19	-0.19	-0.19	2.75	-0.19	-0.19	0.20	0.81	-0.19	-0.19	-0.02
1972-73 SE OF DP		0.29	0.11	0.18	0.11	0.12	0.11	0.08	0.61	0.11	0.11	0.11	0.11	0.11	1.49	0.11	0.11	0.37	0.95	0.11	0.11	0.15

AGE: A4

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29

RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	94.95	95.16	93.60	93.82	97.25	94.98	94.93	96.70	85.17	88.82	90.00	90.09	95.51	98.15	84.01	91.38	91.83	98.40	90.08	96.22	96.62	95.47
1972-73 SE OF P-VAL	0.50	1.07	1.32	0.94	0.60	0.71	0.77	0.53	2.15	2.94	3.92	2.18	0.95	0.46	2.22	2.46	1.66	0.79	2.30	1.22	0.96	0.83
1972-73 DELTA-P		0.21	-1.35	-1.13	2.30#	0.03	-0.02	1.75#	-9.78#	-6.13*	-4.95	-4.86*	0.56	3.20#	-10.94#	-3.57	-3.12	3.45#	-4.87*	1.27	1.67	0.52
1972-73 SE OF DP		0.90	1.13	0.79	0.84	0.57	0.53	0.32	2.08	2.85	3.78	2.02	0.89	0.54	2.12	2.23	1.65	0.86	2.22	1.27	0.94	0.65

AGE: A4

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	96.11	96.00	96.16	95.78	96.52	96.31	95.92	97.88	83.84	92.45	93.91	97.50	96.57	99.03	78.93	95.94	88.79	99.38	94.04	98.49	98.11	95.98
1972-73 SE OF P-VAL	0.61	1.78	1.06	1.03	0.96	1.05	0.62	0.37	4.12	2.46	1.48	0.88	1.41	0.43	5.94	1.58	4.59	0.48	2.74	0.85	1.07	0.66
1972-73 DELTA-P		-0.11	0.05	-0.33	0.41	0.20	-0.19	1.77#	-12.27#	-3.66	-2.20	1.39	0.46	2.92#	-17.18#	-0.17	-7.32	3.27#	-2.07	2.38*	2.00	-0.13
1972-73 SE OF DP		1.37	1.02	0.91	0.89	0.63	0.50	0.52	3.69	2.39	1.22	0.83	1.12	0.68	5.82	1.59	4.17	0.74	2.52	1.02	1.15	0.71

RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.37	4.25	6.18	4.74	2.47	4.46	4.28	2.65	13.88	10.60	9.59	8.48	4.07	1.66	11.76	7.95	7.62	0.99	8.91	3.78	3.03	3.51
1972-73 SE OF P-VAL	0.45	1.00	1.36	0.68	0.61	0.63	0.75	0.41	2.39	3.08	3.88	1.94	0.86	0.46	2.24	2.09	1.42	0.69	2.32	1.22	0.94	0.65
1972-73 DELTA-P		-0.12	1.81	0.37	-1.90#	0.09	-0.09	-1.72#	9.51#	6.23*	5.22	4.11*	-0.30	-2.71#	7.39#	3.58	3.25*	-3.38#	4.54*	-0.59	-1.34	-0.86
1972-73 SE OF DP		0.83	1.13	0.59	0.61	0.56	0.51	0.32	2.25	3.03	3.70	1.85	0.84	0.49	2.13	1.89	1.47	0.75	2.22	1.21	0.89	0.54

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 RU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part F. Air and water pollution.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG C.	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: Ad TEXT: No, I do not approve of such research.																						
1972-73 P-VALUE	3.09	2.31	3.52	3.55	2.98	2.91	3.26	2.00	10.28	5.99	5.65	2.36	2.34	0.87	11.51	2.88	7.10	0.44	3.83	1.51	1.71	3.78
1972-73 SE OF P-VAL	0.47	0.68	1.02	0.98	1.03	0.73	0.56	0.37	2.76	2.43	1.41	0.79	0.74	0.41	3.67	1.46	2.78	0.45	2.36	0.85	1.05	0.62
1972-73 DELTA-P		-0.78	0.43	0.46	-0.11	-0.18	0.17	-1.09#	7.19#	2.90	2.56*	-0.73	-0.75	-2.22#	8.42*	-0.21	4.01	-2.65#	0.74	-1.58	-1.38	0.69
1972-73 SE OF DP		0.68	0.92	0.88	0.85	0.46	0.42	0.36	2.50	2.28	1.12	0.70	0.75	0.52	3.55	1.39	2.52	0.62	2.12	0.95	1.07	0.57
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.48	0.06	0.22	1.23	0.27	0.43	0.52	0.50	0.28	0.58	0.40	1.42	0.42	0.18	1.28	0.67	0.54	0.21	0.00	0.00	0.34	0.84
1972-73 SE OF P-VAL	0.22	0.06	0.16	0.74	0.18	0.23	0.25	0.26	0.21	0.62	0.41	0.88	0.31	0.10	1.28	0.69	0.54	0.21	0.00	0.00	0.21	0.54
1972-73 DELTA-P		-0.42	-0.26	0.75	-0.21	-0.05	0.04	0.02	-0.20	0.10	-0.08	0.94	-0.06	-0.30	0.80	0.19	0.06	-0.27	-0.48*	-0.48*	-0.14	0.36
1972-73 SE OF DP		0.23	0.25	0.53	0.26	0.09	0.09	0.06	0.29	0.63	0.45	0.77	0.14	0.22	1.12	0.66	0.47	0.28	0.22	0.22	0.28	0.35
AGE: Ad																						
1972-73 P-VALUE	0.51	0.51	0.31	0.67	0.50	0.18	0.81	0.12	3.11	1.55	0.44	0.13	0.16	0.09	9.56	1.18	1.11	0.18	2.12	0.00	0.17	0.24
1972-73 SE OF P-VAL	0.19	0.28	0.19	0.55	0.25	0.09	0.36	0.06	1.67	0.90	0.20	0.14	0.16	0.10	5.37	0.89	0.80	0.18	1.77	0.00	0.18	0.12
1972-73 DELTA-P		0.00	-0.20	0.16	-0.01	-0.33	0.30	-0.39*	2.60	1.04	-0.07	-0.38	-0.35	-0.42*	9.05	0.67	0.60	-0.33	1.61	-0.51#	-0.34	-0.27
1972-73 SE OF DP		0.27	0.24	0.41	0.25	0.19	0.18	0.18	1.50	0.88	0.25	0.22	0.22	0.20	5.20	0.85	0.75	0.25	1.62	0.19	0.24	0.21

EXERCISE: 303042-34 RU273

Part G. Extraction of food from plants growing in the sea.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG C.	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.19	0.53	0.00	0.20	0.00	0.12	0.26	0.13	0.67	0.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.39	1.00	0.00	0.00	0.17
1972-73 SE OF P-VAL	0.11	0.38	0.00	0.21	0.00	0.12	0.19	0.10	0.69	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.41	1.02	0.00	0.00	0.17
1972-73 DELTA-P		0.34	-0.19	0.01	-0.19	-0.07	0.07	-0.06	0.48	-0.19	-0.19	-0.19	-0.19	-0.19	2.75	-0.19	-0.19	0.20	0.81	-0.19	-0.19	-0.02
1972-73 SE OF DP		0.29	0.11	0.18	0.11	0.12	0.11	0.08	0.61	0.11	0.11	0.11	0.11	0.11	1.49	0.11	0.11	0.37	0.95	0.11	0.11	0.15
AGE: Ad																						
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29
RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.																						
1972-73 P-VALUE	82.31	85.20	75.98	82.57	84.54	85.74	79.14	85.55	65.29	68.42	67.23	73.04	81.03	89.72	69.79	78.95	75.76	91.09	78.22	83.39	84.19	81.28
1972-73 SE OF P-VAL	1.16	1.59	3.19	2.17	2.38	1.44	1.27	1.07	3.61	3.33	4.75	3.22	1.87	1.10	4.00	1.65	3.65	2.97	3.58	3.95	3.22	1.43
1972-73 DELTA-P		2.89	-6.33*	0.26	2.23	3.43#	-3.17#	3.24#	-17.02#	-13.89#	-15.08#	-9.27#	-1.28	7.41#	-12.52#	-3.36	-6.55	8.78#	-4.09	1.08	1.88	-1.03
1972-73 SE OF DP		1.58	2.74	1.83	2.04	0.74	0.70	0.65	3.18	3.25	4.47	3.03	1.35	0.99	3.89	1.82	3.59	2.59	3.37	3.45	2.99	1.39
AGE: Ad																						
1972-73 P-VALUE	85.14	87.86	80.40	82.48	89.14	90.54	80.12	88.03	63.87	81.26	77.97	82.39	87.01	93.78	68.32	76.95	74.69	92.67	90.08	86.77	86.94	84.65
1972-73 SE OF P-VAL	1.05	2.09	3.06	1.51	2.08	1.23	1.46	0.98	3.77	3.89	2.17	2.76	1.74	1.17	5.93	4.23	4.33	1.78	2.57	3.62	2.51	1.55
1972-73 DELTA-P		2.72	-4.74	-2.66	4.00*	5.40#	-5.02#	2.89#	-21.27#	-3.88	-7.17#	-2.75	1.87	8.64#	-16.82#	-8.19*	-10.45#	7.53#	4.94	1.63	1.80	-0.49
1972-73 SE OF DP		1.83	2.63	1.44	1.77	0.88	0.85	0.58	3.53	3.76	1.88	2.43	1.38	1.16	5.80	3.82	4.01	1.83	2.67	3.22	2.51	1.20
RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.																						
1972-73 P-VALUE	10.73	8.14	16.16	10.46	8.98	8.94	12.38	8.34	24.96	17.14	18.54	20.81	10.40	6.55	15.58	13.06	17.93	5.26	14.07	9.20	9.50	10.58
1972-73 SE OF P-VAL	0.98	1.43	2.99	[illegible].78	1.71	1.14	1.20	0.84	3.58	2.86	4.06	2.82	1.45	0.91	3.78	1.68	3.74	1.82	3.02	3.09	3.33	1.10
1972-73 DELTA-P		-2.59	5.43*	-0.27	-1.75	-1.79#	1.65#	-2.39#	14.23#	6.41*	7.81*	10.08#	-0.33	-4.18#	4.85	2.33	7.20	-5.47#	3.34	-1.53	-1.23	-0.15
1972-73 SE OF DP		1.39	2.51	1.52	1.55	0.68	0.64	0.61	3.08	2.77	3.71	2.67	1.02	0.83	3.51	1.80	3.62	1.65	2.85	2.84	2.86	1.04
AGE: Ad																						
1972-73 P-VALUE	7.32	6.47	11.38	7.58	4.69	5.13	9.36	6.09	18.05	5.92	10.27	11.20	5.87	3.29	10.98	11.51	10.91	4.15	4.27	6.06	8.21	7.50
1972-73 SE OF P-VAL	0.64	1.14	1.95	1.17	1.04	0.77	0.98	0.62	3.22	1.78	1.41	2.07	0.99	0.79	3.98	2.95	2.39	1.46	1.41	1.83	1.78	1.06
1972-73 DELTA-P		-0.85	4.06*	0.26	-2.63#	-2.19#	2.04#	-1.23#	10.73#	-1.40	2.95#	3.88*	-1.45	-4.03#	3.66	4.19	3.59	-3.17*	-3.05*	-1.26	0.89	0.18
1972-73 SE OF DP		1.04	1.68	1.08	0.94	0.62	0.61	0.37	2.98	1.75	1.12	1.75	0.98	0.82	3.95	2.76	2.23	1.47	1.45	1.67	1.78	0.80

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 BU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part G. Extraction of food from plants growing in the sea.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.77	6.13	7.86	6.76	6.49	5.20	8.22	5.98	9.08	14.44	14.24	6.16	8.57	3.73	11.69	7.99	6.32	3.26	6.71	7.41	6.32	7.97
1972-73 SE OF P-VAL	0.56	0.95	1.16	1.12	1.20	0.71	0.74	0.54	2.16	2.74	3.24	1.40	1.16	0.56	2.41	1.45	1.49	1.31	2.18	1.95	1.37	1.01
1972-73 DELTA-P		-0.64	1.09	-0.01	-0.28	-1.57#	1.45#	-0.79#	2.31	7.67#	7.47*	-0.61	1.80	-3.04#	4.92*	1.22	-0.45	-3.51#	-0.06	0.64	-0.45	1.20
1972-73 SE OF DP		0.86	1.04	0.92	1.02	0.48	0.44	0.30	1.94	2.67	3.07	1.26	0.91	0.60	2.31	1.45	1.32	1.22	2.04	1.81	1.40	0.87
AGE: Ad																						
1972-73 P-VALUE	7.25	4.48	8.22	9.93	6.16	3.74	10.51	5.87	15.32	12.81	11.76	6.41	6.19	2.92	20.70	11.54	11.40	3.17	5.65	7.17	4.85	7.85
1972-73 SE OF P-VAL	0.84	1.17	1.69	1.93	1.67	0.81	1.16	0.81	2.83	3.00	1.84	1.97	1.28	0.90	6.01	2.19	2.43	1.30	2.15	3.69	1.71	1.08
1972-73 DELTA-P		-2.77*	0.97	2.68	-1.09	-3.51#	3.26#	-1.38#	8.07#	5.56	4.51#	-0.84	-1.06	-4.33#	13.45*	4.29*	4.15*	-4.08#	-1.60	-0.08	-2.40	0.60
1972-73 SE OF DP		1.18	1.55	1.52	1.42	0.60	0.54	0.40	2.58	2.85	1.49	1.66	1.09	0.95	5.84	2.01	2.03	1.42	2.00	3.14	1.82	0.96

EXERCISE: 303042-34 BU273

Part H. Heart transplants.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.19	0.53	0.00	0.20	0.00	0.12	0.26	0.13	0.67	0.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.39	1.00	0.00	0.00	0.17
1972-73 SE OF P-VAL	0.11	0.38	0.00	0.21	0.00	0.12	0.19	0.10	0.69	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.41	1.02	0.00	0.00	0.17
1972-73 DELTA-P		0.34	-0.19	0.01	-0.19	-0.07	0.07	-0.06	0.48	-0.19	-0.19	-0.19	-0.19	-0.19	2.75	-0.19	-0.19	0.20	0.81	-0.19	-0.19	-0.02
1972-73 SE OF DP		0.29	0.11	0.18	0.11	0.12	0.11	0.08	0.61	0.11	0.11	0.11	0.11	0.11	1.49	0.11	0.11	0.37	0.95	0.11	0.11	0.15
AGE: Ad																						
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29
RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.																						
1972-73 P-VALUE	84.39	85.16	83.62	86.18	82.16	82.08	86.52	85.33	80.00	79.03	79.40	84.48	83.53	86.81	77.40	86.79	76.98	88.77	81.37	86.55	82.22	84.74
1972-73 SE OF P-VAL	1.02	1.44	2.05	1.76	2.71	1.42	1.13	1.13	1.81	3.60	3.71	2.51	1.64	1.27	3.74	3.70	2.31	1.75	2.51	1.72	2.60	2.12
1972-73 DELTA-P		0.77	-0.77	1.79	-2.23	-2.31#	2.13#	0.94#	-4.39*	-5.36	-4.99	0.09	-0.86	2.42#	-6.99	2.40	-7.41#	4.38#	-3.02	2.16	-2.17	0.35
1972-73 SE OF DP		1.43	1.85	1.54	2.18	0.82	0.75	0.35	1.85	3.53	3.35	2.35	1.32	0.87	3.64	3.49	2.30	1.73	2.58	1.87	2.40	1.61
AGE: Ad																						
1972-73 P-VALUE	85.07	85.60	87.25	85.35	82.62	86.41	83.82	86.90	70.72	84.19	84.88	83.82	84.16	88.47	74.70	83.76	72.38	91.16	88.21	85.40	90.28	84.07
1972-73 SE OF P-VAL	1.01	2.24	1.54	2.17	1.86	1.50	1.55	0.92	4.29	3.75	1.98	2.72	2.17	1.48	6.53	1.97	4.92	2.66	2.12	3.48	3.09	1.26
1972-73 DELTA-P		0.53	2.18	0.28	-2.45	1.34	-1.25	1.83#	-14.35#	-0.88	-0.19	-1.25	-0.91	3.40*	-10.37	-1.31	-12.69#	6.09#	3.14	0.33	5.21	-1.00
1972-73 SE OF DP		1.91	1.54	1.75	1.63	1.18	1.09	0.54	3.85	3.47	1.90	2.33	1.59	1.37	6.82	2.10	4.55	2.24	2.41	3.31	2.85	1.11
RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.																						
1972-73 P-VALUE	11.06	11.29	12.47	9.08	11.90	13.53	8.78	10.34	13.71	16.76	14.85	11.75	12.83	8.55	14.20	10.31	15.89	7.71	15.17	9.51	11.73	10.65
1972-73 SE OF P-VAL	0.76	1.30	1.57	1.16	2.01	1.09	0.87	0.81	1.85	3.62	3.65	2.44	1.39	1.01	2.22	2.18	2.63	1.50	1.72	1.43	2.45	1.36
1972-73 DELTA-P		0.23	1.41	-1.98	0.84	2.47#	-2.28#	-0.72*	2.65	5.70	3.79	0.69	1.77	-2.51#	3.14	-0.75	4.83	-3.35*	4.11*	-1.55	0.67	-0.41
1972-73 SE OF DP		1.18	1.40	1.09	1.62	0.66	0.61	0.29	1.88	3.43	3.40	2.37	1.06	0.81	2.33	2.11	2.49	1.46	1.84	1.42	2.16	1.11
AGE: Ad																						
1972-73 P-VALUE	9.99	9.96	9.00	8.62	12.23	8.90	11.01	8.92	19.03	9.31	11.26	10.54	10.53	6.86	16.84	11.60	19.79	4.12	5.51	10.75	7.25	10.83
1972-73 SE OF P-VAL	0.82	1.95	1.01	1.81	1.43	1.12	1.34	0.72	3.97	2.66	1.81	1.85	1.73	1.21	5.51	2.16	4.63	1.61	1.65	2.93	2.21	1.03
1972-73 DELTA-P		-0.03	-0.99	-1.37	2.24	-1.09	1.02	-1.07*	9.04#	-0.68	1.27	0.55	0.54	-3.13#	6.85	1.61	9.80*	-5.87#	-4.48#	0.76	-2.74	0.84
1972-73 SE OF DP		1.63	1.12	1.44	1.28	0.96	0.89	0.46	3.54	2.43	1.70	1.61	1.28	1.21	5.48	2.16	4.37	1.36	1.64	2.85	2.05	0.92
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.35	3.01	3.91	4.52	5.93	4.25	4.44	4.18	5.61	4.20	5.74	3.76	3.64	4.64	5.46	2.89	7.12	3.11	2.46	3.94	6.05	4.44
1972-73 SE OF P-VAL	0.54	0.87	1.02	0.92	1.40	0.87	0.67	0.61	1.20	2.13	1.84	0.95	0.78	1.00	2.77	2.04	1.55	1.13	1.58	1.19	1.34	1.12
1972-73 DELTA-P		-1.34	-0.44	0.17	1.58	-0.10	0.09	-0.17	1.26	-0.15	1.39	-0.59	-0.71	0.29	1.11	-1.46	2.77	-1.24	-1.89	-0.41	1.70	0.09
1972-73 SE OF DP		0.81	0.94	0.81	1.13	0.58	0.53	0.21	1.15	2.11	1.86	0.96	0.69	0.68	2.70	1.88	1.53	1.11	1.60	1.14	1.33	0.84

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 NU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part H. Heart transplants.

RESPONSE: 09 AGE: Ad TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.65	3.25	3.7[illegible]	6.03	5.14	4.09	5.17	4.17	7.49	6.49	3.06	5.64	4.38	4.66	8.46	4.63	4.83	4.71	6.27	3.84	2.47	5.09
1972-73 SE OF P-VAL	0.45	0.60	0.94	0.79	1.11	0.69	0.63	0.52	2.01	2.09	0.78	1.83	0.85	1.17	5.04	1.83	1.61	1.56	2.14	2.26	1.42	0.61
1972-73 DELTA-P		-1.40*	-0.90	1.38*	0.49	-0.56	0.52	-0.48	2.04	1.84	-0.79	0.99	-0.27	0.01	3.81	-0.02	0.18	0.06	1.62	-0.81	-2.18	0.44
1972-73 SE OF DP		0.63	0.85	0.68	0.88	0.50	0.46	0.30	1.96	1.99	0.69	1.63	0.82	1.08	5.05	1.73	1.56	1.55	2.16	2.06	1.34	0.53

EXERCISE: 303042-34 NU273

Part I. Population control.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.14	0.27	0.07	0.20	0.00	0.15	0.13	0.15	0.13	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.16	0.40	0.00	0.00	0.00	0.21
1972-73 SE OF P-VAL	0.08	0.23	0.07	0.21	0.00	0.13	0.11	0.10	0.12	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.16	0.41	0.00	0.00	0.00	0.17
1972-73 DELTA-P		0.13	-0.07	0.06	-0.14	0.01	-0.01	0.01	-0.01	-0.14	-0.14	-0.14	-0.14	-0.14	2.02	-0.14	0.02	0.26	-0.14	-0.14	-0.14	0.07
1972-73 SE OF DP		0.18	0.10	0.16	0.08	0.09	0.08	0.02	0.14	0.08	0.08	0.08	0.08	0.08	1.19	0.08	0.16	0.36	0.08	0.08	0.08	0.13

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29

RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	77.33	80.66	76.96	75.99	75.76	78.88	75.90	79.08	66.36	73.94	62.97	75.06	76.01	82.01	70.84	72.80	75.29	83.16	72.07	75.12	80.67	77.37
1972-73 SE OF P-VAL	1.17	2.10	2.55	2.67	1.75	1.35	1.62	1.28	3.09	3.23	3.73	3.31	1.98	1.52	3.74	4.36	3.98	2.47	4.60	3.29	2.62	1.77
1972-73 DELTA-P		3.33	-0.37	-1.34	-1.57	1.55	-1.43	1.75#	-10.97#	-3.39	-14.36#	-2.27	-1.32	4.68#	-6.49	-4.53	-2.04	5.83#	-5.26	-2.21	3.34	0.04
1972-73 SE OF DP		1.87	2.26	2.10	1.72	0.97	0.90	0.81	2.91	3.40	3.75	3.17	1.52	1.10	3.44	4.11	3.74	2.24	4.23	3.31	2.39	1.55

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	85.36	86.21	84.85	83.36	87.11	86.73	84.09	88.11	66.51	79.33	82.89	82.31	86.67	90.68	65.06	80.40	71.40	91.92	86.31	87.40	85.33	86.70
1972-73 SE OF P-VAL	0.99	1.99	1.73	1.58	2.48	1.63	1.15	0.83	4.33	6.15	2.43	2.55	1.63	1.57	6.69	3.37	5.91	2.44	3.65	3.30	1.97	1.28
1972-73 DELTA-P		0.85	-0.51	-2.00	1.75	1.37	-1.27	2.75#	-18.85#	-6.03	-2.47	-3.05	1.31	5.32#	-20.30#	-4.96	-13.96#	6.56#	0.95	2.04	-0.03	1.34
1972-73 SE OF DP		1.74	1.66	1.45	1.96	1.03	0.95	0.62	3.95	5.73	2.08	2.26	1.37	1.32	6.85	3.44	5.40	2.40	3.21	2.99	2.14	1.32

RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	16.63	13.18	17.98	17.55	17.96	15.33	17.83	14.78	27.24	22.48	30.22	18.10	18.03	13.06	17.47	20.92	20.42	11.71	20.20	15.14	14.78	16.76
1972-73 SE OF P-VAL	0.95	1.48	2.13	2.27	1.48	1.26	1.30	1.01	3.08	3.37	3.66	2.68	1.59	1.31	3.50	2.93	3.71	2.04	4.86	2.50	2.40	1.43
1972-73 DELTA-P		-3.45*	1.35	0.92	1.33	-1.30	1.20	-1.85#	10.61#	5.85	13.59#	1.47	1.40	-3.57#	0.84	4.29	3.79	-4.92*	3.57	-1.49	-1.85	0.13
1972-73 SE OF DP		1.41	1.87	1.76	1.44	0.90	0.83	0.41	2.87	3.47	3.53	2.64	1.35	0.96	3.12	2.83	3.43	1.98	4.47	2.74	2.09	1.25

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.83	9.81	11.85	11.91	6.10	9.66	9.99	8.50	18.46	13.59	12.49	11.90	8.82	5.91	19.61	13.05	19.09	6.33	7.45	8.52	10.13	8.95
1972-73 SE OF P-VAL	0.79	1.33	1.70	1.82	1.57	1.17	1.02	0.68	4.06	5.49	2.15	1.95	1.11	1.05	5.90	2.96	5.09	1.71	2.78	2.30	1.92	1.08
1972-73 DELTA-P		-0.02	2.02	2.08	-3.73#	-0.17	0.16	-1.33*	8.63*	3.76	2.66	2.07	-1.01	-3.92#	9.78	3.22	9.26	-3.50*	-2.38	-1.31	0.30	-0.88
1972-73 SE OF DP		1.24	1.53	1.46	1.35	0.79	0.73	0.55	3.73	5.14	1.71	1.75	1.03	0.98	5.93	2.97	4.69	1.71	2.48	2.17	1.94	1.04

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.90	5.90	4.99	6.26	6.29	5.64	6.14	5.99	6.28	3.58	6.81	6.84	5.96	4.93	9.53	6.28	4.12	4.74	7.73	9.74	4.56	5.66
1972-73 SE OF P-VAL	0.71	1.91	1.05	1.09	1.41	0.84	0.85	0.79	1.49	1.86	2.35	1.95	1.09	0.85	2.91	1.91	2.02	1.18	1.83	2.93	1.33	1.16
1972-73 DELTA-P		0.00	-0.91	0.36	0.39	-0.26	0.24	0.09	0.38	-2.32	0.91	0.94	0.06	-0.97	3.63	0.38	-1.78	-1.16	1.83	3.84	-1.34	-0.24
1972-73 SE OF DP		1.52	1.06	1.01	1.23	0.48	0.44	0.23	1.36	1.93	2.21	1.76	0.78	0.61	2.78	1.84	1.80	1.06	1.42	2.63	1.33	0.97

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.53	2.80	3.31	4.74	6.80	3.03	5.93	3.40	12.28	7.08	4.62	5.80	3.60	3.41	15.34	6.56	6.52	1.75	6.25	4.08	4.55	4.35
1972-73 SE OF P-VAL	0.61	0.72	0.86	1.14	1.72	0.80	0.93	0.60	2.20	2.38	1.04	1.92	0.61	1.02	5.81	1.36	1.57	1.62	2.35	3.13	1.37	0.86
1972-73 DELTA-P		-1.73*	-1.22	0.21	2.27	-1.50*	1.40*	-1.13#	7.75#	2.55	0.09	1.27	-0.93	-1.12	10.81	2.03	1.99	-2.78	1.72	-0.45	0.02	-0.18
1972-73 SE OF DP		0.80	0.90	0.96	1.33	0.64	0.61	0.29	1.96	2.29	0.94	1.61	0.54	0.92	5.63	1.41	1.52	1.53	2.24	2.82	1.40	0.74

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 BU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part J. Origins of the universe.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.14	0.27	0.07	0.20	0.00	0.15	0.13	0.15	0.13	0.00	0.00	0.00	0.00	0.00	2.16	0.00	0.16	0.40	0.00	0.00	0.00	0.21
1972-73 SE OF P-VAL	0.08	0.23	0.07	0.21	0.00	0.13	0.11	0.10	0.12	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.16	0.41	0.00	0.00	0.00	0.17
1972-73 DELTA-P		0.13	-0.07	0.06	-0.14	0.01	-0.01	0.01	-0.01	-0.14	-0.14	-0.14	-0.14	-0.14	2.02	-0.14	0.02	0.26	-0.14	-0.14	-0.14	0.07
1972-73 SE OF DP		0.18	0.10	0.16	0.08	0.09	0.08	0.02	0.14	0.08	0.08	0.08	0.08	0.08	1.19	0.08	0.16	0.36	0.08	0.08	0.08	0.13

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.39	1.18	0.51	0.00	0.00	0.59	0.20	0.05	3.34	0.00	0.42	0.00	0.92	0.00	0.00	0.00	3.18	0.00	0.00	0.00	0.00	0.23
1972-73 SE OF P-VAL	0.29	1.18	0.23	0.00	0.00	0.59	0.09	0.05	2.68	0.00	0.19	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.12
1972-73 DELTA-P		0.79	0.12	-0.39	-0.39	0.20	-0.19	-0.34	2.95	-0.39	0.03	-0.39	0.53	-0.39	-0.39	-0.39	2.79	-0.39	-0.39	-0.39	-0.39	-0.16
1972-73 SE OF DP		0.90	0.34	0.29	0.29	0.31	0.29	0.29	2.40	0.29	0.32	0.29	0.63	0.29	0.29	0.29	2.63	0.29	0.29	0.29	0.29	0.29

RESPONSE: 01* AGE: 17 TEXT: Yes, I approve of such research.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	65.69	69.64	61.44	62.36	69.22	70.36	61.38	68.13	50.97	59.65	50.61	57.90	64.81	72.28	54.26	52.68	59.09	75.46	73.38	68.06	67.62	63.99
1972-73 SE OF P-VAL	1.52	2.31	2.97	3.10	3.74	1.84	1.95	1.63	4.08	5.77	4.53	3.27	2.22	2.17	4.57	2.67	2.39	3.98	3.73	3.81	4.29	2.51
1972-73 DELTA-P		3.95	-4.25	-3.33	3.53	4.67#	-4.31#	2.44#	-14.72#	-6.04	-15.08#	-7.79*	-0.88	6.59#	-11.43#	-13.01#	-6.60#	9.77#	7.69*	2.37	1.93	-1.70
1972-73 SE OF DP		2.19	2.74	2.56	3.11	1.20	1.13	0.77	3.91	5.19	4.12	3.15	1.65	1.54	4.39	3.18	2.56	3.52	3.57	3.56	3.80	1.99

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	70.78	76.11	64.66	65.40	76.39	76.78	65.21	73.67	48.93	67.99	57.30	69.55	71.56	87.36	43.68	61.73	55.38	85.42	76.52	76.36	78.98	65.99
1972-73 SE OF P-VAL	1.32	2.53	2.55	3.22	2.06	1.75	1.75	1.30	4.11	6.01	2.65	2.73	2.44	1.83	7.66	4.30	4.61	2.59	4.04	4.59	2.91	2.06
1972-73 DELTA-P		5.33*	-6.12#	-5.38*	5.61#	6.00#	-5.57#	2.89#	-21.85#	-2.79	-13.48#	-1.23	0.78	16.58#	-27.10#	-9.05*	-15.40#	14.64#	5.74	5.58	8.20#	-4.79#
1972-73 SE OF DP		2.23	2.41	2.52	1.93	1.23	1.11	0.55	3.99	5.77	2.20	2.77	1.88	1.70	7.63	4.21	4.49	2.30	3.83	4.03	2.96	1.74

RESPONSE: 02 AGE: 17 TEXT: No, I do not approve of such research.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	20.34	19.26	23.26	22.11	16.82	18.94	21.63	19.39	27.83	18.57	24.50	20.95	21.02	18.69	22.84	27.85	25.21	17.75	12.94	15.29	20.01	21.29
1972-73 SE OF P-VAL	1.28	1.73	2.15	2.47	3.66	1.40	1.74	1.39	3.31	5.08	3.28	2.44	1.88	2.07	3.55	2.97	2.03	3.15	2.01	3.21	4.35	2.13
1972-73 DELTA-P		-1.08	2.92	1.77	-3.52	-1.40	1.29	-0.95	7.49*	-1.77	4.16	0.61	0.68	-1.65	2.50	7.51#	4.87*	-2.59	-7.40#	-5.05	-0.33	0.95
1972-73 SE OF DP		1.76	2.08	2.07	2.95	0.96	0.90	0.56	3.33	4.50	2.95	2.64	1.40	1.30	3.61	3.00	2.38	3.03	2.16	2.80	3.77	1.52

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	13.61	10.63	15.42	16.83	11.49	12.87	14.30	12.90	20.41	11.76	18.11	12.99	16.07	6.03	17.59	20.94	14.02	9.74	10.26	8.50	11.98	16.14
1972-73 SE OF P-VAL	0.92	1.45	2.09	2.37	1.29	1.33	1.16	0.91	3.54	2.57	1.88	1.78	1.78	1.16	6.33	3.40	2.80	2.06	3.02	1.88	2.79	1.55
1972-73 DELTA-P		-2.98*	1.81	3.22	-2.12	-0.74	0.69	-0.71	6.80*	-1.85	4.50#	-0.62	2.46	-7.58#	3.98	7.33*	0.41	-3.87	-3.35	-5.11#	-1.63	2.53*
1972-73 SE OF DP		1.38	1.87	1.84	1.27	0.87	0.80	0.43	3.14	2.53	1.51	1.64	1.41	1.16	6.20	3.19	2.62	2.00	2.85	1.96	2.64	1.10

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	13.83	10.84	15.23	15.33	13.96	10.56	16.85	12.32	21.08	21.78	24.90	21.16	14.18	9.04	20.74	19.48	15.53	6.39	13.68	16.66	12.37	14.51
1972-73 SE OF P-VAL	1.03	2.14	1.68	2.16	1.97	1.36	1.22	1.07	2.45	4.07	3.81	2.62	1.50	1.06	3.52	3.43	2.40	1.62	2.84	3.02	1.98	2.08
1972-73 DELTA-P		-2.99	1.40	1.50	0.13	-3.27#	3.02#	-1.51#	7.25#	7.95*	11.07#	7.33#	0.35	-4.79#	6.91*	5.65	1.70	-7.44#	-0.15	2.83	-1.46	0.68
1972-73 SE OF DP		1.80	1.64	1.75	1.74	0.83	0.76	0.43	2.33	3.74	3.70	2.24	1.05	0.90	3.24	3.39	2.14	1.50	2.41	2.84	2.00	1.63

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	15.22	12.08	19.41	17.77	12.13	9.76	20.29	13.38	27.32	20.25	24.17	17.47	11.45	6.61	38.73	17.34	27.42	4.84	13.22	15.14	9.04	17.64
1972-73 SE OF P-VAL	1.07	1.82	2.00	2.22	2.26	1.15	1.58	1.13	2.77	5.11	2.47	2.33	1.54	1.19	7.29	2.06	4.26	1.92	2.68	3.63	1.95	1.56
1972-73 DELTA-P		-3.14	4.19*	2.55	-3.09	-5.46#	5.07#	-1.84#	12.10#	5.03	8.95#	2.25	-3.77#	-8.61#	23.51#	2.12	12.20#	-10.38#	-2.00	-0.08	-6.18#	2.42
1972-73 SE OF DP		1.68	1.87	1.80	1.88	0.91	0.86	0.45	2.90	4.79	1.93	2.23	1.27	1.17	7.18	2.24	3.92	1.84	2.66	3.18	1.90	1.24

EXERCISE: 303042-34 BU273

Part K. If you wish, offer a comment on any one of the above.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	53.76	61.68	51.67	50.99	50.59	55.39	52.25	52.42	59.54	62.45	51.17	55.73	59.03	47.74	67.52	45.29	65.99	47.89	46.69	58.14	55.67	54.95
1972-73 SE OF P-VAL	1.41	2.77	2.94	2.71	2.57	2.06	1.69	1.65	3.05	4.56	3.87	3.86	2.43	1.89	4.14	5.45	3.37	4.90	4.42	4.39	4.25	2.50
1972-73 DELTA-P		7.92#	-2.09	-2.77	-3.17	1.63	-1.51	-1.34#	5.78	8.69	-2.59	1.97	5.27#	-6.02#	13.76#	-8.47	12.23#	-5.87	-7.07	4.38	1.91	1.19
1972-73 SE OF DP		2.37	2.62	2.27	2.30	1.29	1.19	0.49	3.21	4.66	4.04	3.34	1.91	1.40	4.26	5.16	3.62	4.42	4.45	4.36	4.01	2.18

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 RU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part H. If you wish, offer a comment on any one of the above.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: Ad TEXT: No Response.																						
1972-73 P-VALUE	66.98	65.84	69.82	66.30	66.46	66.88	67.07	65.99	75.33	66.40	74.90	70.91	64.71	58.22	76.85	68.89	72.78	65.02	64.05	62.26	68.77	67.42
1972-73 SE OF P-VAL	1.30	2.56	2.62	3.07	1.91	1.67	1.97	1.47	3.83	4.98	2.2[illegible]	2.55	2.47	2.72	6.37	4.93	3.62	5.17	4.06	4.53	2.64	1.83
1972-73 DELTA-P		-1.14	2.84	-0.60	-0.52	-0.10	0.09	-0.99	8.35*	-0.58	7.92#	3.93	-2.27	-8.76#	9.87	1.91	5.80	-1.96	-2.93	-4.72	1.79	0.44
1972-73 SE OF DP		2.25	2.40	2.40	1.84	1.33	1.24	0.60	3.90	4.84	2.06	2.73	1.89	2.22	5.86	4.69	3.65	4.54	4.06	4.12	2.75	1.54
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	22.75	19.95	24.30	24.14	22.67	23.35	22.19	23.45	17.11	24.33	25.14	19.52	19.40	26.23	18.81	26.04	19.75	24.40	25.61	22.61	22.95	21.19
1972-73 SE OF P-VAL	1.11	1.70	2.69	2.07	2.38	1.54	1.41	1.33	2.62	3.63	4.09	2.59	1.92	2.04	3.19	3.45	2.83	3.36	3.07	3.27	3.78	1.67
1972-73 DELTA-P		-2.80	1.55	1.39	-0.08	0.60	-0.56	0.70	-5.64*	1.58	2.39	-3.23	-3.35	3.48*	-3.94	3.29	-3.00	1.65	2.86	-0.14	0.20	-1.56
1972-73 SE OF DP		1.65	2.32	1.76	2.03	1.01	0.93	0.83	2.80	3.63	3.99	2.57	1.70	1.49	3.20	3.22	3.02	2.96	3.75	3.05	3.46	1.86
AGE: Ad																						
1972-73 P-VALUE	21.49	21.76	18.75	21.30	23.55	21.89	21.12	22.70	12.17	20.64	13.56	18.82	23.15	30.96	5.77	21.01	16.13	24.21	23.33	26.61	20.59	20.26
1972-73 SE OF P-VAL	1.23	2.59	2.76	2.60	1.90	1.54	1.78	1.36	2.58	4.56	2.04	2.04	2.15	2.76	3.34	4.65	2.88	5.03	3.22	4.29	2.12	1.91
1972-73 DELTA-P		0.27	-2.74	-0.19	2.06	0.40	-0.37	1.21*	-9.32#	-0.85	-7.93#	-2.67	1.66	9.47#	-15.72#	-0.48	-5.36	2.72	1.84	5.12	-0.90	-1.23
1972-73 SE OF DP		2.23	2.47	2.10	1.77	1.17	1.09	0.49	2.72	4.18	1.92	2.00	1.00	2.06	3.53	4.07	2.89	4.47	3.56	3.95	2.25	1.45
RESPONSE: 10 AGE: 17 TEXT: Positive comments on any preceding topic.																						
1972-73 P-VALUE	10.09	7.79	12.96	11.08	8.81	11.43	8.85	9.74	11.44	12.67	14.08	12.59	9.09	9.70	9.38	17.11	11.13	5.26	9.65	10.62	10.39	9.53
1972-73 SE OF P-VAL	0.70	1.05	2.03	1.42	1.00	0.86	0.90	0.76	2.03	3.18	3.08	2.11	1.17	1.14	1.96	2.45	2.58	1.43	2.05	3.05	2.80	1.00
1972-73 DELTA-P		-2.30*	2.87	0.99	-1.28	1.34*	-1.24*	-0.35	1.35	2.58	3.99	2.50	-1.00	-0.39	-0.71	7.02#	1.04	-4.83#	-0.44	0.53	0.30	-0.56
1972-73 SE OF DP		0.99	1.70	1.17	1.00	0.63	0.58	0.31	1.82	3.22	3.62	2.22	0.98	0.85	1.89	2.23	2.57	1.41	2.02	2.07	2.57	0.92
AGE: Ad																						
1972-73 P-VALUE	5.81	3.90	6.52	5.49	7.33	6.77	4.92	5.46	6.59	9.47	3.92	6.11	6.74	6.98	0.87	7.33	6.37	4.61	4.20	8.42	6.02	5.29
1972-73 SE OF P-VAL	0.63	1.07	1.65	0.90	1.49	1.07	0.71	0.70	1.74	4.00	0.84	1.52	1.07	1.62	0.86	2.65	1.00	2.08	2.36	2.47	1.37	0.74
1972-73 DELTA-P		-1.91	0.71	-0.32	1.52	0.96	-0.89	-0.35	0.78	3.66	-1.89*	0.30	0.93	1.17	-4.94#	1.52	0.56	-1.20	-1.61	2.61	0.21	-0.52
1972-73 SE OF DP		1.00	1.41	0.87	1.20	0.66	0.62	0.30	1.64	3.90	0.85	1.36	0.87	1.32	1.09	2.49	1.63	1.86	2.31	2.26	1.36	0.71
RESPONSE: 11 AGE: 17 TEXT: Conditional comments on any preceding topic.																						
1972-73 P-VALUE	6.29	5.44	5.50	6.84	7.23	5.86	6.69	7.02	2.05	4.19	4.82	4.46	5.[illegible]	7.80	3.59	3.38	2.98	8.46	9.64	7.65	4.40	6.70
1972-73 SE OF P-VAL	0.56	1.13	1.09	0.99	1.24	0.76	0.80	0.67	0.82	1.39	1.88	1.67	0.95	1.12	2.01	1.33	1.37	1.58	2.08	2.01	1.41	0.96
1972-73 DELTA-P		-0.85	-0.79	0.55	0.94	-0.43	0.40	0.73#	-4.24#	-2.10	-1.47	-1.83	-0.58	1.51	-2.70	-2.91*	-3.31*	2.17	3.35	1.36	-1.89	0.41
1972-73 SE OF DP		0.97	1.08	0.65	1.04	0.56	0.52	0.19	1.00	1.50	1.94	1.55	0.98	0.79	1.97	1.32	1.40	1.44	2.01	1.86	1.35	0.82
AGE: Ad																						
1972-73 P-VALUE	8.07	8.51	5.77	8.90	8.56	6.48	9.55	8.81	3.33	5.83	4.49	7.66	7.26	13.78	0.80	8.24	3.56	10.17	7.85	10.30	5.18	8.60
1972-73 SE OF P-VAL	0.77	1.78	1.19	1.67	1.41	0.92	1.17	0.90	1.21	3.29	1.27	1.63	1.44	1.73	0.81	2.27	1.38	3.24	2.76	2.10	1.25	1.45
1972-73 DELTA-P		0.44	-2.30	0.83	0.49	-1.59*	1.48*	0.74#	-4.74#	-2.24	-3.58#	-0.41	-0.81	5.71#	-7.27#	0.17	-4.51#	2.10	-0.22	2.23	-2.89*	0.53
1972-73 SE OF DP		1.44	1.21	1.34	1.23	0.75	0.69	0.28	1.32	3.23	1.26	1.51	1.17	1.35	1.17	2.19	1.41	3.00	2.85	2.02	1.44	1.01
RESPONSE: 12 AGE: 17 TEXT: General positive statement.																						
1972-73 P-VALUE	6.38	6.74	5.85	6.23	6.64	6.07	6.67	6.70	3.64	7.48	6.25	2.48	4.61	8.74	5.85	5.56	5.65	10.70	6.33	4.35	8.16	4.96
1972-73 SE OF P-VAL	0.62	1.19	1.31	0.98	1.54	0.92	0.77	0.73	1.34	2.81	2.10	1.10	0.96	1.07	2.07	1.21	2.16	1.85	2.03	1.16	1.76	0.93
1972-73 DELTA-P		0.36	-0.53	-0.15	0.26	-0.31	0.29	0.32	-2.74	1.10	-0.13	-3.90#	-1.77*	2.36#	-0.53	-0.82	-0.73	4.32#	-0.05	-2.03	1.78	-1.42
1972-73 SE OF DP		1.04	1.17	0.89	1.26	0.59	0.55	0.27	1.48	2.62	2.04	0.99	0.87	0.77	2.01	1.26	2.07	1.56	2.02	1.21	1.62	0.79
AGE: Ad																						
1972-73 P-VALUE	7.62	9.37	6.47	6.92	7.67	8.65	6.66	8.44	2.25	5.35	5.16	5.05	9.17	10.21	4.10	5.44	6.20	9.44	11.29	7.89	9.40	6.38
1972-73 SE OF P-VAL	0.71	1.46	1.09	1.06	1.36	1.08	0.90	0.84	1.27	1.58	1.09	1.16	1.44	1.27	3.12	1.48	2.14	3.26	2.54	2.41	1.93	0.82
1972-73 DELTA-P		1.75	-1.15	-0.70	0.05	1.03	-0.96	0.82#	-5.37#	-2.27	-2.46*	-2.57*	1.55	2.59*	-3.52	-2.18	-1.42	1.82	3.67	0.27	1.78	-1.24
1972-73 SE OF DP		1.26	1.62	1.00	1.17	0.72	0.66	0.27	1.32	1.76	0.99	1.10	1.06	1.04	3.18	1.58	2.08	2.82	2.53	2.20	1.90	0.83
RESPONSE: 02 AGE: 17 TEXT: All Unacceptable Responses.																						
1972-73 P-VALUE	22.90	18.21	23.04	24.37	25.94	20.93	24.72	23.71	21.66	12.46	22.21	24.74	20.63	25.65	13.30	28.52	13.41	27.53	27.69	19.24	18.93	23.47
1972-73 SE OF P-VAL	1.05	2.21	1.80	2.27	1.78	1.29	1.59	1.22	1.83	3.79	4.23	3.03	1.85	1.64	2.15	4.91	1.81	3.95	3.21	3.30	1.89	1.46
1972-73 DELTA-P		-4.69*	0.14	1.47	3.04	-1.97	1.82	0.81*	-1.24	-10.44#	-0.69	1.84	-2.27	2.75*	-9.60#	5.62	-9.49#	4.63	4.79	-3.66	-3.97*	0.57
1972-73 SE OF DP		1.88	1.72	1.80	1.65	1.05	0.97	0.37	1.95	3.85	4.31	2.82	1.55	1.13	2.22	4.48	1.95	3.52	3.23	3.28	1.98	1.35

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303042-34 NU273

Indicate whether you approve or disapprove of pure scientific research in each area described.

Part K. If you wish, offer a comment on any one of the above.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: Ad TEXT: All Unacceptable Responses.																						
1972-73 P-VALUE	10.11	11.70	9.13	11.19	8.28	10.14	10.08	10.33	8.52	9.80	9.12	8.75	11.71	10.36	7.13	9.25	8.94	9.28	10.75	10.04	10.41	10.66
1972-73 SE OF P-VAL	0.64	1.19	1.35	1.58	0.86	1.00	0.93	0.80	2.29	3.04	1.12	1.68	1.28	1.39	3.38	2.72	2.34	2.27	2.31	1.53	1.08	1.15
1972-73 DELTA-P		1.59	-0.98	1.08	-1.83*	0.03	-0.03	0.22	-1.59	-0.31	-0.99	-1.36	1.60	0.25	-2.98	-0.86	-1.17	-0.83	0.64	-0.07	0.30	0.55
1972-73 SE OF DP		1.07	1.21	1.23	0.86	0.75	0.70	0.35	2.32	3.06	0.97	1.59	1.03	1.23	3.37	2.62	2.33	1.97	2.25	1.48	1.09	0.95
RESPONSE: 20 AGE: 17 TEXT: Negative comments on preceding topics.																						
1972-73 P-VALUE	14.97	10.78	13.96	16.31	18.66	13.85	16.01	15.43	15.04	7.31	18.03	17.36	13.73	15.88	7.92	20.12	9.24	17.06	15.57	8.07	13.96	16.51
1972-73 SE OF P-VAL	0.99	1.73	1.27	2.46	1.78	1.25	1.46	1.18	1.74	2.00	3.89	2.77	1.49	1.32	1.72	4.66	1.95	2.64	2.79	2.21	1.46	1.70
1972-73 DELTA-P		-4.19#	-1.01	1.34	3.69*	-1.12	1.04	0.46	0.07	-7.66#	3.06	2.39	-1.24	0.91	-7.05#	5.15	-5.73#	2.09	0.60	-6.90#	-1.01	1.54
1972-73 SE OF DP		1.59	1.38	1.87	1.59	0.97	0.90	0.32	1.07	2.26	3.73	2.59	1.07	0.86	1.00	4.30	2.11	2.39	2.67	2.18	1.63	1.39
AGE: Ad																						
1972-73 P-VALUE	6.77	7.96	6.01	7.20	5.83	6.60	6.93	6.59	6.72	9.40	7.12	5.57	7.75	5.92	7.13	8.60	5.83	5.22	9.36	6.25	5.94	6.98
1972-73 SE OF P-VAL	0.57	1.08	1.15	1.43	0.76	0.85	0.73	0.72	1.97	2.99	1.00	1.44	1.22	1.05	3.38	2.62	1.66	1.05	2.23	1.49	1.59	0.96
1972-73 DELTA-P		1.19	-0.76	0.43	-0.94	-0.17	0.16	-0.18	-0.05	2.63	0.35	-1.20	0.98	-0.85	0.36	1.83	-0.94	-1.55	2.59	-0.52	-0.83	0.21
1972-73 SE OF DP		0.96	1.05	1.11	0.77	0.56	0.52	0.32	2.01	3.00	0.83	1.35	0.93	1.03	3.34	2.52	1.74	1.60	2.15	1.41	1.52	0.79
RESPONSE: 21 AGE: 17 TEXT: Other comments not acceptable.																						
1972-73 P-VALUE	4.01	3.16	6.40	3.78	3.07	3.89	4.12	3.97	4.50	3.59	2.41	4.88	2.98	4.96	2.84	6.70	2.90	3.63	6.75	3.76	1.86	3.97
1972-73 SE OF P-VAL	0.49	0.62	1.35	1.08	0.62	0.66	0.66	0.57	1.22	2.46	1.16	1.43	0.61	0.93	1.13	1.61	1.05	1.56	2.90	1.45	0.67	0.90
1972-73 DELTA-P		-0.85	2.39*	-0.23	-0.94	-0.12	0.11	-0.04	0.49	-0.42	-1.60	0.87	-1.03	0.95	-1.17	2.69	-1.11	-0.38	2.74	-0.25	-2.15#	-0.04
1972-73 SE OF DP		0.66	1.11	0.85	0.66	0.46	0.43	0.23	1.21	2.43	1.19	1.38	0.63	0.63	1.06	1.54	1.06	1.38	2.76	1.44	0.75	0.73
AGE: Ad																						
1972-73 P-VALUE	1.48	1.76	1.41	1.79	0.95	1.40	1.55	1.63	0.89	0.40	1.08	1.00	2.03	1.68	0.00	0.37	0.76	1.68	0.72	1.85	2.43	1.60
1972-73 SE OF P-VAL	0.31	0.71	0.56	0.66	0.51	0.44	0.39	0.35	0.61	0.41	0.52	0.55	0.61	0.64	0.00	0.39	0.55	1.06	0.74	0.60	1.19	0.48
1972-73 DELTA-P		0.28	-0.07	0.31	-0.53	-0.08	0.07	0.15	-0.59	-1.08*	-0.40	-0.48	0.55	0.20	-1.48#	-1.11*	-0.72	0.20	-0.76	0.37	0.95	0.12
1972-73 SE OF DP		0.60	0.53	0.54	0.46	0.29	0.27	0.09	0.59	0.53	0.52	0.53	0.43	0.51	0.31	0.47	0.54	0.93	0.74	0.66	1.09	0.36
RESPONSE: 22 AGE: 17 TEXT: General negative or neutral statement.																						
1972-73 P-VALUE	3.93	4.28	2.70	4.29	4.22	3.20	4.60	4.33	2.13	1.56	1.78	2.51	3.93	4.81	2.55	1.71	1.29	6.85	5.37	7.42	3.12	3.00
1972-73 SE OF P-VAL	0.44	0.88	0.95	0.91	0.87	0.63	0.76	0.52	1.07	1.45	1.13	1.28	0.80	0.85	1.79	1.15	0.70	1.16	1.49	2.03	1.00	0.76
1972-73 DELTA-P		0.35	-1.23	0.36	0.29	-0.73	0.67	0.40*	-1.80	-2.37	-2.15	-1.42	0.00	0.88	-1.38	-2.22*	-2.64#	2.92#	1.44	3.49	-0.81	-0.93
1972-73 SE OF DP		0.76	0.86	0.74	0.77	0.57	0.52	0.17	1.10	1.46	1.27	1.20	0.75	0.59	1.78	1.10	0.72	1.14	1.45	1.93	0.96	0.58
AGE: Ad																						
1972-73 P-VALUE	1.86	1.98	1.71	2.20	1.51	2.14	1.60	2.11	0.91	0.00	0.91	2.18	1.93	2.75	0.00	0.28	2.26	2.39	0.67	1.94	2.05	2.08
1972-73 SE OF P-VAL	0.31	0.84	0.62	0.53	0.43	0.51	0.44	0.35	0.62	0.00	0.44	0.83	0.39	0.69	0.00	0.28	0.96	1.09	0.50	1.06	0.97	0.36
1972-73 DELTA-P		0.12	-0.15	0.34	-0.35	0.28	-0.26	0.25#	-0.95	-1.86#	-0.95*	0.32	0.07	0.89	-1.86#	-1.58#	0.40	0.53	-1.19*	0.08	0.19	0.22
1972-73 SE OF DP		0.68	0.56	0.47	0.42	0.37	0.35	0.08	0.59	0.31	0.39	0.77	0.37	0.53	0.31	0.39	0.82	0.93	0.51	0.95	0.94	0.36
RESPONSE: 39 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.58	0.15	0.98	0.49	0.79	0.32	0.82	0.41	1.68	0.75	1.46	0.00	0.92	0.38	0.36	0.14	0.84	0.16	0.00	0.00	2.44	0.38
1972-73 SE OF P-VAL	0.21	0.15	0.73	0.31	0.45	0.15	0.33	0.17	1.18	0.77	1.43	0.00	0.43	0.20	0.36	0.15	0.50	0.17	0.00	0.00	1.23	0.28
1972-73 DELTA-P		-0.43	0.40	-0.09	0.21	-0.26	0.24	-0.17	1.10	0.17	0.88	-0.58#	0.34	-0.20	-0.22	-0.44	0.26	-0.42	-0.58#	-0.58#	1.86	-0.20
1972-73 SE OF DP		0.24	0.59	0.30	0.39	0.16	0.15	0.15	1.03	0.76	1.29	0.21	0.28	0.23	0.40	0.25	0.50	0.25	0.21	0.21	1.06	0.26
AGE: Ad																						
1972-73 P-VALUE	1.42	0.70	2.30	1.13	1.71	1.09	1.73	0.98	3.99	3.16	2.43	1.53	0.43	0.46	10.25	0.85	2.15	1.49	1.87	1.09	0.23	1.67
1972-73 SE OF P-VAL	0.30	0.36	0.92	0.52	0.62	0.36	0.39	0.24	1.65	1.47	0.73	0.70	0.22	0.34	5.43	0.60	0.95	0.86	1.76	1.06	0.23	0.50
1972-73 DELTA-P		-0.72	0.88	-0.29	0.29	-0.33	0.31	-0.44*	2.57	1.74	1.01	0.11	-0.99#	-0.96*	8.83	-0.57	0.73	0.07	0.45	-0.33	-1.19#	0.25
1972-73 SE OF DP		0.40	0.77	0.46	0.52	0.24	0.22	0.22	1.49	1.36	0.55	0.66	0.31	0.42	5.29	0.66	0.86	0.86	1.67	1.01	0.36	0.37

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

On this and the following page is a series of statements about the nature of science. For each statement, indicate whether you agree, whether you disagree, or whether you neither agree nor disagree with the statement.

A. Scientists believe that the universe will be completely understood in a few years.

○ Agree
● Disagree
○ Neither agree nor disagree

B. Science is a self-correcting enterprise.

● Agree
○ Disagree
○ Neither agree nor disagree

C. Scientific conclusions are statements that something is highly probable.

● Agree
○ Disagree
○ Neither agree nor disagree

(Continued)

D. Laws in science are statements which are not subject to change.

○ Agree
● Disagree
○ Neither agree nor disagree

NAEP #: 303065-34

72-73 Report #: RU274

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: C. Appreciate the scientific enterprise.

Science Type: Unclassified

Exercise Type: Multiple part multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:		17IS	Adult
72-73 Package-Exercise:		10-03	01-05
72-73 National P-val:			
	RU274A	78.87	78.94
	RU274B	42.67	41.80
	RU274C	73.41	76.53
	RU274D	63.64	63.82

Timing: (in seconds)

RU274	Introduction:	15	16
	Stimulus:	11	11
	Response:	6	*
RU274A	Part total:	17	*
	Stimulus:	9	4
	Response:	6	*
RU274B	Part total:	15	*
	Stimulus:	10	6
	Response:	6	*
	Turn page:	(6)	(5)
RU274C	Part total:	16**	*
	Stimulus:	9	4
	Response:	6	*
RU274D	Part total:	15	*
RU274	Exercise total:	78	*

*Time not limited by paced tape.

**Time to turn page is not included in total times.

EXERCISE: 303065-34 BU274

Indicate whether you agree, disagree, or neither agree nor disagree with statements about the nature of science.

Part A. Scientists believe that the universe will be completely understood in a few years.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.13	0.50	0.00	0.02	0.00	0.05	0.20	0.00	0.55	0.96	0.00	0.00	0.06	0.00	1.64	0.00	1.39	0.00	0.09	0.00	0.13	0.00
1972-73 SE OF P-VAL	0.0[illegible]	0.31	0.00	0.02	0.00	0.04	0.14	0.01	0.43	0.93	0.00	0.00	0.06	0.00	1.03	0.00	0.97	0.00	0.10	0.00	0.13	0.00
1972-73 DELTA-P		0.37	-0.13	-0.11	-0.13	-0.08	0.07	-0.13	0.42	0.83	-0.13	-0.13	-0.07	-0.13	1.51	-0.13	1.26	-0.13	-0.04	-0.13	0.00	-0.13
1972-73 SE OF DP		0.23	0.08	0.08	0.08	0.08	0.07	0.08	0.38	0.88	0.08	0.08	0.09	0.08	0.96	0.08	0.90	0.08	0.13	0.08	0.14	0.08
AGE: Ad																						
1972-73 P-VALUE	0.10	0.00	0.00	0.35	0.00	0.21	0.00	0.12	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
1972-73 SE OF P-VAL	0.10	0.00	0.00	0.37	0.00	0.22	0.00	0.12	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
1972-73 DELTA-P		-0.10	-0.10	0.25	-0.10	0.11	-0.10	0.02	-0.10	-0.10	-0.10	0.53	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	0.16
1972-73 SE OF DP		0.10	0.10	0.27	0.10	0.11	0.10	0.02	0.10	0.10	0.10	0.52	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.17
RESPONSE: 01 AGE: 17 TEXT: Agree																						
1972-73 P-VALUE	9.82	8.56	11.80	9.73	9.53	9.40	10.20	7.31	22.46	16.60	16.44	18.77	10.78	5.27	14.22	11.60	18.87	3.75	9.68	8.95	9.26	9.96
1972-73 SE OF P-VAL	0.77	1.03	1.75	1.04	1.38	1.04	1.02	0.77	2.46	3.08	3.00	3.46	1.48	0.64	2.80	3.43	3.67	1.25	3.22	2.56	1.74	1.14
1972-73 DELTA-P		-1.26	1.98	-0.09	-0.29	-0.42	0.38	-2.51#	12.64#	6.78*	6.62*	8.95#	0.96	-4.55#	4.40	1.78	9.05#	-6.07#	-0.14	-0.87	-0.56	0.14
1972-73 SE OF DP		1.06	1.55	1.42	1.22	0.72	0.66	0.45	2.15	3.03	2.99	3.06	1.09	0.78	2.76	3.35	3.50	1.46	3.24	2.30	1.53	0.97
AGE: Ad																						
1972-73 P-VALUE	7.55	6.93	8.56	7.49	7.36	7.22	7.86	5.91	15.31	17.94	10.75	7.03	7.16	4.17	14.35	8.43	14.24	1.93	10.80	7.56	5.56	7.45
1972-73 SE OF P-VAL	0.67	1.44	1.04	1.50	1.20	0.92	0.84	0.66	3.43	4.75	1.46	1.24	1.16	1.15	5.88	1.69	2.96	0.92	3.37	2.10	1.65	1.07
1972-73 DELTA-P		-0.62	1.01	-0.06	-0.19	-0.33	0.31	-1.64#	7.76*	10.39*	3.20#	-0.52	-0.39	-3.38#	6.80	0.88	6.69*	-5.62#	3.25	0.01	-1.99	-0.10
1972-73 SE OF DP		1.24	1.04	1.18	1.07	0.59	0.55	0.43	3.22	4.66	1.24	1.32	0.93	1.03	5.64	1.66	2.80	1.02	3.11	1.97	1.66	0.84
RESPONSE: 02* AGE: 17 TEXT: Disagree																						
1972-73 P-VALUE	78.87	79.74	77.34	81.43	76.36	81.32	76.65	83.56	56.11	64.27	65.69	68.53	78.59	85.82	64.68	74.88	59.34	88.63	80.43	79.86	81.27	79.32
1972-73 SE OF P-VAL	1.02	1.71	2.13	2.26	1.93	1.41	1.35	1.11	3.14	4.67	5.12	3.74	1.81	1.31	3.80	4.68	3.60	2.52	3.12	3.42	2.39	1.63
1972-73 DELTA-P		0.87	-1.53	2.56	-2.51	2.45#	-2.22*	4.69#	-22.76#	-14.60#	-13.18#	-10.34#	-0.28	6.95#	-14.19#	-3.99	-19.53#	9.76#	1.56	0.99	2.40	0.45
1972-73 SE OF DP		1.58	1.92	1.00	1.70	0.95	0.91	0.58	3.00	4.53	4.96	3.55	1.51	1.00	3.76	4.67	3.37	2.65	3.25	3.04	2.10	1.49
AGE: Ad																						
1972-73 P-VALUE	78.94	81.47	75.56	78.83	79.51	83.21	74.97	82.08	62.28	62.33	65.91	81.67	83.29	86.85	66.53	77.86	66.62	90.07	78.80	79.80	79.66	78.09
1972-73 SE OF P-VAL	1.11	1.94	1.93	2.38	2.42	1.79	1.35	1.06	3.98	6.53	2.41	2.40	1.38	1.80	6.40	2.86	4.11	2.13	4.14	3.01	2.73	1.88
1972-73 DELTA-P		2.53	-3.38	-0.11	0.57	4.27#	-3.97#	3.14#	-16.66#	-16.61#	-13.03#	2.73	4.35#	7.91#	-12.41*	-1.08	-12.32#	11.13#	-0.14	0.86	0.72	-0.85
1972-73 SE OF DP		1.80	1.86	1.90	2.01	1.15	1.10	0.60	3.80	6.25	1.88	2.31	1.39	1.46	6.16	2.69	3.94	2.29	3.88	2.93	2.56	1.36
RESPONSE: 03 AGE: 17 TEXT: Neither agree nor disagree																						
1972-73 P-VALUE	11.18	11.21	10.87	8.82	14.12	9.23	12.95	9.13	20.88	18.17	17.88	12.70	10.57	8.91	19.45	13.52	20.40	7.62	9.79	11.19	9.34	10.73
1972-73 SE OF P-VAL	0.66	1.20	1.21	1.06	1.57	0.95	1.13	0.79	2.16	3.16	4.11	2.17	1.42	1.09	3.49	2.46	1.99	1.79	1.92	1.96	1.41	1.22
1972-73 DELTA-P		0.03	-0.31	-2.36#	2.94*	-1.95*	1.77*	-2.05#	9.70#	6.99*	6.70	1.52	-0.61	-2.27#	8.27*	2.34	9.22#	-3.56*	-1.39	0.01	-1.84	-0.45
1972-73 SE OF DP		1.11	1.14	0.94	1.29	0.86	0.79	0.36	2.16	3.07	3.97	2.24	1.26	0.84	3.44	2.40	1.89	1.70	1.95	1.60	1.34	1.00
AGE: Ad																						
1972-73 P-VALUE	13.41	11.60	15.88	13.33	13.13	9.37	17.17	11.88	22.42	19.73	23.34	10.67	9.55	8.98	19.12	13.71	19.14	8.00	10.41	12.63	14.78	14.19
1972-73 SE OF P-VAL	0.89	1.55	1.74	1.69	2.08	1.22	1.29	0.91	3.19	4.15	2.16	1.84	1.13	1.43	4.82	2.32	3.45	2.21	2.50	2.45	2.07	1.49
1972-73 DELTA-P		-1.81	2.47	-0.08	-0.28	-4.04#	3.76#	-1.53#	9.01#	6.32	9.93#	-2.74	-3.86#	-4.43#	5.71	0.30	5.73	-5.41*	-3.00	-0.78	1.37	0.78
1972-73 SE OF DP		1.44	1.60	1.41	1.69	0.90	0.87	0.42	2.94	4.10	1.76	1.74	1.09	1.25	4.55	1.93	3.32	2.17	2.37	2.40	1.93	1.06

EXERCISE: 303065-34 BU274

Part B. Science is a self-correcting enterprise.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.21	0.39	0.21	0.07	0.18	0.18	0.24	0.14	0.55	0.48	0.67	0.00	0.21	0.00	1.46	0.59	1.22	0.00	0.09	0.26	0.13	0.00
1972-73 SE OF P-VAL	0.09	0.24	0.22	0.06	0.19	0.11	0.14	0.08	0.43	0.47	0.67	0.00	0.16	0.00	0.86	0.61	0.77	0.00	0.10	0.27	0.13	0.00
1972-73 DELTA-P		0.18	0.00	-0.14	-0.03	-0.03	0.03	-0.07	0.34	0.27	0.46	-0.21*	0.00	-0.21*	1.25	0.38	1.01	-0.21*	-0.12	0.05	-0.08	-0.21*
1972-73 SE OF DP		0.19	0.19	0.10	0.16	0.09	0.09	0.06	0.38	0.45	0.63	0.09	0.14	0.09	0.80	0.57	0.72	0.09	0.13	0.23	0.15	0.09

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303065-34 RU274

Indicate whether you agree, disagree, or neither agree nor disagree with statements about the nature of science.

Part B. Science is a self-correcting enterprise.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: Ad TEXT: No Response.																						
1972-73 P-VALUE	0.22	0.20	0.16	0.36	0.13	0.38	0.07	0.18	0.33	0.60	0.00	0.63	0.16	0.18	1.01	0.39	0.00	0.00	0.00	0.70	0.00	0.27
1972-73 SE OF P-VAL	0.13	0.21	0.16	0.37	0.13	0.25	0.07	0.14	0.33	0.61	0.00	0.63	0.16	0.13	1.02	0.39	0.00	0.00	0.00	0.49	0.00	0.27
1972-73 DELTA-P		-0.02	-0.06	0.14	-0.09	0.16	-0.15	-0.04	0.11	0.38	-0.22	0.41	-0.06	-0.08	0.79	0.17	-0.22	-0.22	-0.22	0.48	-0.22	0.05
1972-73 SE OF DP		0.19	0.17	0.27	0.15	0.13	0.12	0.05	0.32	0.59	0.13	0.52	0.16	0.15	0.99	0.38	0.13	0.13	0.13	0.45	0.13	0.18
RESPONSE: 01* AGE: 17 TEXT: Agree																						
1972-73 P-VALUE	42.67	43.64	47.34	43.11	37.27	45.68	39.94	43.89	37.73	36.53	40.87	39.82	42.73	44.99	33.83	46.44	41.80	44.48	48.62	39.83	42.87	41.65
1972-73 SE OF P-VAL	1.11	1.96	1.58	2.28	2.61	1.87	1.55	1.34	3.03	4.39	3.89	3.13	2.24	1.70	4.40	2.80	3.17	2.30	7.33	3.45	3.14	1.96
1972-73 DELTA-P		0.97	4.67#	0.44	-5.40#	3.01*	-2.73*	1.22	-4.88	-6.14	-1.80	-2.85	0.06	2.32	-8.84*	3.77	-0.87	1.81	5.95	-2.84	0.20	-1.02
1972-73 SE OF DP		1.77	1.63	1.86	2.16	1.37	1.24	0.61	3.07	4.29	3.85	3.06	1.81	1.29	4.39	2.75	3.30	2.49	7.04	3.18	2.89	1.53
AGE: Ad																						
1972-73 P-VALUE	41.80	44.69	40.41	38.79	43.64	44.29	39.49	42.13	40.49	39.24	36.82	36.85	43.79	49.67	27.57	48.95	39.02	42.76	46.77	47.79	38.27	39.63
1972-73 SE OF P-VAL	1.34	2.45	3.66	1.72	2.93	1.92	1.75	1.46	3.92	[illegible]	2.60	3.29	2.51	2.53	6.10	4.80	3.34	4.12	4.81	4.56	3.52	2.27
1972-73 DELTA-P		2.89	-1.39	-3.01	1.84	2.49	-2.31	0.33	-1.31	[illegible]	-4.98*	-4.95	1.99	7.87#	-14.23*	3.15	-2.78	0.96	4.97	5.99	-3.53	-2.17
1972-73 SE OF DP		2.20	3.08	1.76	2.43	1.29	1.19	0.52	3.61	5.14	2.26	3.00	2.07	2.26	6.27	4.61	3.24	4.05	4.64	4.27	3.34	1.67
RESPONSE: 02 AGE: 17 TEXT: Disagree																						
1972-73 P-VALUE	29.53	30.61	30.55	27.75	29.61	29.53	29.53	27.89	36.07	37.77	33.05	37.83	26.81	27.46	38.68	22.93	32.56	28.30	31.20	30.14	29.18	30.17
1972-73 SE OF P-VAL	1.09	2.23	1.92	2.31	2.16	1.49	1.40	1.32	2.68	3.76	4.34	3.50	2.04	1.58	4.34	2.70	2.99	3.45	5.52	3.90	2.62	1.95
1972-73 DELTA-P		1.08	1.02	-1.78	0.08	0.00	0.00	-1.64#	6.54*	8.24*	3.52	8.30#	-2.72	-2.07	9.15*	-6.60*	3.03	-1.23	1.67	0.61	-0.35	0.64
1972-73 SE OF DP		1.92	1.83	1.87	1.88	0.99	0.90	0.56	2.85	3.60	4.16	3.17	1.82	1.28	4.25	2.65	3.07	3.45	5.50	3.40	2.49	1.58
AGE: Ad																						
1972-73 P-VALUE	32.77	31.49	33.76	35.54	30.04	38.91	27.06	32.60	35.62	29.90	34.03	34.89	32.27	29.04	44.93	30.00	36.78	33.42	31.67	27.59	37.49	32.65
1972-73 SE OF P-VAL	1.40	3.55	2.67	2.28	2.53	2.07	1.52	1.46	4.15	4.89	2.19	3.21	2.33	2.52	7.09	4.18	4.08	4.24	4.95	5.35	3.51	1.86
1972-73 DELTA-P		-1.28	0.99	2.77	-2.73	6.14#	-5.71#	-0.17	2.85	-2.87	1.26	2.12	-0.50	-3.73	12.16	-2.77	4.01	0.65	-1.10	-5.18	4.72	-0.12
1972-73 SE OF DP		2.91	2.46	2.02	2.23	1.24	1.19	0.49	3.88	4.67	2.09	2.82	1.80	1.95	6.44	4.01	3.91	4.00	4.73	[illegible]	3.08	1.81
RESPONSE: 03 AGE: 17 TEXT: Neither agree nor disagree																						
1972-73 P-VALUE	27.59	25.35	21.90	29.06	32.93	24.61	30.29	28.08	25.59	25.23	25.41	22.35	30.26	27.56	26.04	30.04	24.41	27.22	20.09	29.77	27.82	28.18
1972-73 SE OF P-VAL	1.03	1.90	1.34	2.30	2.08	1.86	1.42	1.23	2.37	4.91	3.34	3.81	1.93	1.82	2.35	3.74	3.06	2.89	3.75	2.81	2.61	1.86
1972-73 DELTA-P		-2.24	-5.69#	1.47	5.34*	-2.98*	2.70*	0.49	-2.00	-2.36	-2.18	-5.24	2.67	-0.03	-1.55	2.45	-3.18	-0.37	-7.50*	2.18	0.23	0.59
1972-73 SE OF DP		1.71	1.46	1.82	1.75	1.35	1.21	0.45	2.47	4.81	3.21	3.57	1.73	1.36	3.13	3.67	2.90	2.72	3.60	2.57	2.50	1.54
AGE: Ad																						
1972-73 P-VALUE	25.21	23.62	25.67	25.31	26.18	16.42	33.38	25.03	23.56	30.26	29.15	27.63	23.78	21.15	26.49	24.65	24.20	23.82	21.56	23.92	24.24	27.88
1972-73 SE OF P-VAL	1.20	3.62	2.26	1.36	2.16	1.38	1.71	1.20	3.48	4.91	2.07	2.98	2.17	2.42	5.48	2.94	3.07	3.63	3.75	3.86	2.66	1.86
1972-73 DELTA-P		-1.59	0.46	0.10	0.97	-8.79#	8.17#	-0.12	-1.65	5.05	3.94*	2.42	-1.43	-4.06	1.28	-0.56	-1.01	-1.39	-3.65	-1.29	-0.97	2.25
1972-73 SE OF DP		2.89	2.09	1.49	1.93	1.11	1.05	0.48	3.18	4.55	1.88	2.49	1.80	2.12	5.58	2.83	2.95	3.12	3.71	3.55	2.61	1.49

EXERCISE: 303065-34 RU274

Part C. Scientific conclusions are statements that something is highly probable.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.12	0.39	0.00	0.07	0.00	0.08	0.15	0.03	0.55	0.48	0.00	0.00	0.06	0.00	1.46	0.00	1.23	0.00	0.10	0.00	0.13	0.00
1972-73 SE OF P-VAL	0.06	0.24	0.00	0.06	0.00	0.05	0.11	0.02	0.43	0.47	0.00	0.00	0.06	0.00	0.86	0.00	0.77	0.00	0.10	0.00	0.13	0.00
1972-73 DELTA-P		0.27	-0.12	-0.05	-0.12	-0.04	0.03	-0.09	0.43	0.36	-0.12	-0.12	-0.06	-0.12	1.34	-0.12	1.11	-0.12	-0.02	-0.12	0.01	-0.12
1972-73 SE OF DP		0.18	0.06	0.07	0.06	0.06	0.06	0.06	0.38	0.44	0.06	0.06	0.07	0.06	0.80	0.06	0.72	0.06	0.12	0.06	0.13	0.06
AGE: Ad																						
1972-73 P-VALUE	0.10	0.00	0.00	0.35	0.00	0.21	0.00	0.12	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
1972-73 SE OF P-VAL	0.10	0.00	0.00	0.37	0.00	0.22	0.00	0.12	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
1972-73 DELTA-P		-0.10	-0.10	0.25	-0.10	0.11	-0.10	0.02	-0.10	-0.10	-0.10	0.53	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	0.16
1972-73 SE OF DP		0.10	0.10	0.27	0.10	0.11	0.10	0.02	0.10	0.10	0.10	0.52	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.17

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303065-34 R0274

Indicate whether you agree, disagree, or neither agree nor disagree with statements about the nature of science.

Part C. Scientific conclusions are statements that something is highly probable.

RESPONSE: 01* AGE: 17 TEXT: Agree

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	73.41	75.53	71.97	74.39	71.36	71.57	75.07	73.78	70.27	75.28	72.72	72.15	75.73	74.04	61.67	68.07	75.95	77.49	69.18	77.04	66.94	74.43
1972-73 SE OF P-VAL	1.10	1.53	3.13	1.41	2.72	1.56	1.39	1.00	3.71	4.29	3.51	2.66	1.88	1.55	3.84	4.27	3.71	3.26	4.45	3.24	2.77	1.32
1972-73 DELTA-P		2.12	-1.44	0.98	-2.05	-1.84	1.66	0.37	-3.14	1.87	-0.69	-1.26	2.32	0.63	-11.74#	-5.34	2.54	4.08	-4.23	3.63	-6.47*	1.02
1972-73 SE OF DP		1.53	2.63	1.44	2.21	1.03	0.95	0.59	3.13	3.99	3.31	2.54	1.55	1.10	3.57	4.17	3.48	3.28	4.08	2.74	2.66	1.30

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	76.53	78.59	74.50	76.80	76.00	80.45	72.88	77.27	74.54	68.96	75.28	75.40	76.97	80.17	60.72	74.15	71.25	81.13	79.36	76.37	76.59	76.26
1972-73 SE OF P-VAL	1.03	1.94	1.80	2.30	1.92	1.47	1.63	1.11	2.75	5.69	2.31	2.12	2.06	1.76	7.88	2.22	3.12	2.73	3.08	3.87	[illegible]	1.53
1972-73 DELTA-P		2.06	-2.03	0.27	-0.53	3.92#	-3.65#	0.74	-1.99	-7.57	-1.25	-1.13	0.44	3.64*	-15.81*	-2.38	-5.28	4.60	2.83	-0.16	0.06	-0.27
1972-73 SE OF DP		1.73	1.71	1.82	1.69	1.21	1.14	0.47	2.74	5.34	2.10	1.96	1.64	1.07	7.82	2.25	2.92	2.46	2.88	3.51	2.65	1.22

RESPONSE: 02 AGE: 17 TEXT: Disagree

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	14.27	15.67	13.51	12.51	15.51	16.28	12.45	14.76	11.55	13.46	10.47	13.33	11.43	15.79	22.44	11.77	11.54	11.82	14.62	12.03	19.51	15.10
1972-73 SE OF P-VAL	1.05	2.40	1.89	1.97	1.96	1.66	1.05	1.18	2.44	3.68	3.00	2.15	1.37	1.61	3.25	4.35	2.37	2.49	3.02	2.47	2.78	1.46
1972-73 DELTA-P		1.40	-0.76	-1.76	1.24	2.01*	-1.82*	0.49	-2.72	-0.81	-3.80	-0.94	-2.84*	1.52	8.17#	-2.50	-2.73	-2.45	0.35	-2.24	5.24*	0.83
1972-73 SE OF DP		1.99	1.78	1.66	1.73	0.92	0.84	0.46	2.29	3.55	2.83	2.00	1.14	1.08	3.01	4.03	2.31	2.47	2.94	2.27	2.49	1.10

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	14.52	13.92	16.07	15.15	13.08	14.09	14.92	14.77	11.84	15.82	13.00	16.05	15.11	14.46	13.73	16.86	14.31	12.53	11.97	18.59	15.83	13.63
1972-73 SE OF P-VAL	0.89	1.94	1.74	2.05	1.20	1.18	1.40	0.91	2.94	3.95	1.91	1.98	1.93	1.42	5.91	2.49	2.24	2.11	3.00	3.35	2.56	1.49
1972-73 DELTA-P		-0.60	1.55	0.63	-1.44	-0.43	0.40	0.25	-2.68	1.30	-1.52	1.53	0.59	-0.06	-0.79	2.34	-0.21	-1.99	-2.55	4.07	1.31	-0.89
1972-73 SE OF DP		1.66	1.59	1.60	1.22	0.98	0.91	0.41	2.68	3.75	1.66	1.74	1.54	1.52	5.74	2.40	2.05	2.10	2.93	3.08	2.41	1.15

RESPONSE: 03 AGE: 17 TEXT: Neither agree nor disagree

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	12.20	8.42	14.52	13.03	13.13	12.06	12.33	11.43	17.63	10.78	16.82	14.51	12.78	10.17	14.42	20.16	11.28	10.69	16.11	10.93	13.42	10.48
1972-73 SE OF P-VAL	0.84	1.35	2.12	1.71	1.48	1.35	1.10	0.91	2.20	3.04	2.74	2.03	1.37	1.13	3.01	2.92	2.30	2.24	3.30	1.54	1.62	1.29
1972-73 DELTA-P		-3.78#	2.32	0.83	0.93	-0.14	0.13	-0.77	5.43#	-1.42	4.62	2.31	0.58	-2.03#	2.22	7.96#	-0.92	-1.51	3.91	-1.27	1.22	-1.72
1972-73 SE OF DP		1.23	1.84	1.40	1.35	0.93	0.84	0.41	1.99	2.91	2.55	1.97	1.16	0.71	2.70	2.88	2.27	2.10	3.06	1.37	1.47	1.00

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.86	7.51	9.44	7.70	10.93	5.26	12.21	7.86	13.64	15.22	11.73	7.93	7.94	5.38	25.56	9.00	14.46	6.36	8.68	5.06	7.60	9.86
1972-73 SE OF P-VAL	0.68	1.14	1.75	1.30	1.24	0.88	0.98	0.67	2.61	3.42	1.63	1.49	1.11	1.16	6.63	1.39	2.73	1.89	2.45	1.45	1.92	0.97
1972-73 DELTA-P		-1.35	0.58	-1.16	2.07	-3.60#	3.35#	-1.00#	4.78	6.36	2.87*	-0.93	-0.92	-3.48#	16.70#	0.14	5.60*	-2.50	-0.18	-3.80#	-1.26	1.00
1972-73 SE OF DP		1.07	1.49	1.08	1.09	0.68	0.64	0.35	2.41	3.23	1.41	1.35	1.00	1.08	6.45	1.40	2.53	1.68	2.28	1.37	1.82	0.79

EXERCISE: 303065-34 R0274

Part D. Laws in science are statements which are not subject to change.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.19	0.39	0.33	0.08	0.00	0.13	0.24	0.08	0.73	0.48	0.68	0.00	0.14	0.00	1.46	0.60	1.23	0.00	0.43	0.00	0.13	0.00
1972-73 SE OF P-VAL	0.08	0.24	0.24	0.06	0.00	0.07	0.14	0.06	0.46	0.47	0.67	0.00	0.10	0.00	0.86	0.61	0.77	0.00	0.38	0.00	0.13	0.00
1972-73 DELTA-P		0.20	0.14	-0.11	-0.19*	-0.06	0.05	-0.11	0.54	0.29	0.49	-0.19*	-0.05	-0.19*	1.27	0.41	1.04	-0.19*	0.24	-0.19*	-0.06	-0.19*
1972-73 SE OF DP		0.19	0.20	0.09	0.08	0.08	0.07	0.07	0.41	0.44	0.63	0.08	0.10	0.08	0.80	0.57	0.72	0.08	0.37	0.08	0.14	0.08

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.14	0.00	0.00	0.36	0.13	0.29	0.00	0.13	0.00	0.60	0.00	0.63	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.27
1972-73 SE OF P-VAL	0.11	0.00	0.00	0.37	0.13	0.23	0.00	0.12	0.00	[illegible]	0.00	0.63	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.27
1972-73 DELTA-P		-0.14	-0.14	0.22	-0.01	0.15	-0.14	-0.01	-0.14	[illegible]	-0.14	0.49	-0.14	0.00	-0.14	-0.14	-0.14	-0.14	-0.14	0.15	-0.14	0.13
1972-73 SE OF DP		0.11	0.11	0.27	0.14	0.12	0.11	0.04	0.11	0.59	0.11	0.52	0.11	0.14	0.11	0.11	0.11	0.11	0.11	0.27	0.11	0.17

RESPONSE: 01 AGE: 17 TEXT: Agree

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	28.44	28.32	28.29	29.63	27.33	28.68	28.22	28.38	28.92	28.22	37.24	32.73	24.90	28.55	28.49	27.67	29.65	27.27	25.46	25.83	27.38	31.05
1972-73 SE OF P-VAL	1.19	2.27	3.38	2.17	1.78	1.56	1.72	1.40	3.08	3.30	4.11	3.14	1.93	1.60	4.54	5.83	1.82	3.21	2.72	2.45	3.32	2.09
1972-73 DELTA-P		-0.12	-0.15	1.19	-1.11	0.24	-0.22	-0.06	0.48	-0.22	8.80*	4.29	-3.54*	0.11	0.05	-0.77	1.21	-1.17	-2.98	-2.61	-1.06	2.61
1972-73 SE OF DP		1.99	2.83	1.86	1.73	1.19	1.08	0.51	3.00	3.39	3.95	2.77	1.87	1.19	4.53	5.39	2.01	3.23	2.81	2.32	2.98	1.59

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303065-34 NU274

Indicate whether you agree, disagree, or neither agree nor disagree with statements about the nature of science.

Part D. Laws in science are statements which are not subject to change.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01 AGE: AD TEXT: Agree																						
1972-73 P-VALUE	29.56	26.55	30.99	30.65	29.95	31.89	27.40	30.93	19.82	27.03	28.99	30.33	27.92	33.12	18.72	31.29	25.73	28.67	26.81	29.34	29.88	30.91
1972-73 SE OF P-VAL	1.05	1.90	2.26	2.57	1.35	1.71	1.33	1.15	3.59	4.97	2.04	2.36	2.05	2.46	4.62	3.08	3.27	3.12	3.19	2.47	4.26	1.45
1972-73 DELTA-P		-1.01	1.43	1.09	0.39	2.33*	-2.16*	1.37#	-9.74#	-2.53	-0.57	0.77	-1.64	3.56	-10.84*	1.73	-3.83	-0.89	-2.75	-0.22	0.32	1.35
1972-73 SE OF DP		1.73	2.01	1.99	1.40	1.15	1.06	0.51	3.39	5.04	1.84	2.23	1.62	2.24	4.48	3.75	3.07	2.94	2.93	2.30	3.98	1.24
RESPONSE: 02* AGE: 17 TEXT: Disagree																						
1972-73 P-VALUE	63.64	65.64	65.18	62.30	61.86	63.25	64.00	64.74	57.99	60.95	54.50	55.64	66.36	65.70	59.57	63.90	60.93	66.78	66.78	67.48	63.83	60.60
1972-73 SE OF P-VAL	1.35	3.00	2.94	2.33	2.43	1.50	1.92	1.55	3.38	4.15	4.41	3.35	2.75	1.66	4.79	6.29	3.30	3.43	2.91	2.07	3.42	2.74
1972-73 DELTA-P		2.00	1.54	-1.34	-1.78	-0.39	0.36	1.10*	-5.65	-2.69	-9.14*	-8.00#	2.72	2.06	-4.07	0.26	-2.71	3.06	3.14	3.84	0.19	-3.04
1972-73 SE OF DP		2.47	2.62	2.04	2.18	1.19	1.00	0.54	3.39	4.00	4.44	2.57	2.04	1.57	4.60	5.96	3.32	3.52	2.93	2.60	3.24	2.00
AGE: AD																						
1972-73 P-VALUE	63.82	67.25	60.79	62.69	64.42	63.55	64.07	63.34	68.54	62.16	60.06	64.19	66.81	64.04	61.06	60.72	61.06	68.73	69.06	65.95	63.53	61.93
1972-73 SE OF P-VAL	1.07	1.24	3.02	2.44	1.60	1.83	1.43	1.15	4.07	6.03	2.70	2.76	1.98	2.54	7.29	5.06	3.48	2.93	3.88	2.42	4.37	1.59
1972-73 DELTA-P		3.43*	-3.03	-1.13	0.60	-0.27	0.25	-0.48	4.72	-1.66	-3.76	0.37	2.99	0.22	-1.96	-3.10	-2.76	4.91	5.24	2.13	-0.29	-1.89
1972-73 SE OF DP		1.40	2.54	1.92	1.54	1.28	1.19	0.57	3.86	5.87	2.40	2.57	1.65	2.44	7.01	4.61	3.54	2.09	3.68	2.44	4.11	1.29
RESPONSE: 03 AGE: 17 TEXT: Neither agree nor disagree																						
1972-73 P-VALUE	7.73	5.65	6.21	7.99	10.81	7.94	7.54	6.00	12.35	10.34	7.58	11.63	8.61	5.76	10.47	7.83	8.29	6.03	7.33	6.68	8.66	8.35
1972-73 SE OF P-VAL	0.85	1.68	1.16	1.74	1.81	1.17	0.84	0.86	2.09	2.84	1.87	2.49	1.64	0.79	3.05	2.81	2.71	1.23	2.16	1.95	2.53	1.61
1972-73 DELTA-P		-2.08	-1.52	0.26	3.08*	0.21	-0.19	-0.93#	4.62#	2.61	-0.15	3.90	0.88	-1.97#	2.74	0.10	0.47	-1.70	-0.40	-1.05	0.93	0.62
1972-73 SE OF DP		1.43	1.22	1.42	1.54	0.57	0.52	0.28	1.72	2.89	1.79	2.19	1.25	0.76	2.62	2.64	2.68	1.40	2.19	1.82	2.26	1.17
AGE: AD																						
1972-73 P-VALUE	6.49	6.21	8.23	6.32	5.51	4.28	8.54	5.61	11.65	10.21	10.96	4.96	5.27	2.72	19.42	7.99	13.22	2.61	4.14	4.44	6.59	6.90
1972-73 SE OF P-VAL	0.70	1.23	1.88	1.30	1.11	0.89	1.00	0.65	2.43	2.42	1.65	1.26	1.18	0.87	6.27	2.91	2.60	1.05	2.16	1.18	1.63	1.12
1972-73 DELTA-P		-0.28	1.74	-0.17	-0.98	-2.21#	2.05#	-0.88#	5.16*	3.72	4.47#	-1.63	-1.22	-3.77#	12.93*	1.50	6.73#	-3.88#	-2.35	-2.05	0.10	0.41
1972-73 SE OF DP		1.13	1.59	1.14	1.04	0.66	0.63	0.32	2.14	2.31	1.36	1.16	0.98	0.98	6.03	2.67	2.45	1.10	2.06	1.24	1.59	0.81

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

On this and the following two pages are statements about theories and their role in science. Read each statement and indicate whether you agree or disagree with the statement.

A. Theories are created in the minds of men.

● Agree
○ Disagree

○ I don't know.

B. Theories in science never go beyond the observed facts on which they are based.

○ Agree
● Disagree

○ I don't know.

C. The usefulness of a theory is in its application in explaining natural events.

● Agree
○ Disagree

○ I don't know.

(Continued)

D. Theories are neither true nor false but are judged only in terms of whether they are useful in explaining natural events.

● Agree
○ Disagree

○ I don't know.

E. Theories exist in the forms of words, mechanical models, and mathematical models.

○ Agree
● Disagree

○ I don't know.

F. If research results demonstrate that a theory is inadequate, the theory should be thrown out immediately.

● Agree
○ Disagree

○ I don't know.

(Continued)

G. The more complicated the theory, the better satisfied the scientist will be with it.

○ Agree

● Disagree

○ I don't know.

NAEP #: 303070-34

72-73 Report #: R0276

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: C. Appreciate the scientific enterprise.

Science Type: Unclassified

Exercise Type: Multiple part multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	05-27	05-25
72-73 National P-val:		
R0276A	86.11	86.20
R0276B	76.98	70.65
R0276C	74.99	74.58
R0276D	61.49	62.42
R0276E	74.81	72.83
R0276F	69.76	69.09
R0276G	71.99	75.02

Timing: (in seconds)

RU276	Introduction:	12	13
	Stimulus:	7	9
	Response:	6	*
	I don't know:	4	*
	Pause:	4	*
RU276A	Part total:	21	*
	Stimulus:	9	6
	Response:	6	*
	I don't know:	1	*
	Pause:	3	*
RU276B	Part total:	19	*
	Stimulus:	9	7
	Response:	6	*
	I don't know:	1	*
	Pause:	4	*
	Turn page:	(6)	(6)
RU276C	Part total:	20**	*
	Stimulus:	10	7
	Response:	6	*
	I don't know:	1	*
	Pause:	4	*
RU276D	Part total:	21	*
	Stimulus:	10	7
	Response:	5	*
	I don't know:	1	*
	Pause:	4	*
RU276E	Part total:	20	*
	Stimulus:	11	8
	Response:	6	*
	I don't know:	1	*
	Pause:	4	*
	Turn page:	(6)	(6)
RU276F	Part total:	22**	*
	Stimulus:	9	5
	Response:	6	*
	I don't know:	1	*
	Pause:	6	*
RU276G	Part total:	22	*
RU276	Exercise total:	157	*

*Time not limited by paced tape.

**Time to turn page is not included in total times.

EXERCISE: 303070-34 NU276

Indicate whether you agree or disagree with statements about theories and their role in science.

Part A. Theories are created in the minds of men.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.07	0.22	0.07	0.00	0.00	0.03	0.11	0.07	0.00	0.22	0.00	0.00	0.00	0.00	1.05	0.00	0.64	0.00	0.00	0.00	0.10	0.00
1972-73 SE OF P-VAL	0.04	0.15	0.07	0.00	0.00	0.03	0.09	0.06	0.00	0.23	0.00	0.00	0.00	0.00	0.68	0.00	0.47	0.00	0.00	0.00	0.11	0.00
1972-73 DELTA-P		0.15	0.00	-0.07	-0.07	-0.04	0.04	0.00	-0.07	0.15	-0.07	-0.07	-0.07	-0.07	0.98	-0.07	0.57	-0.07	-0.07	-0.07	0.03	-0.07
1972-73 SE OF DP		0.11	0.07	0.04	0.04	0.06	0.05	0.02	0.04	0.24	0.04	0.04	0.04	0.04	0.63	0.04	0.43	0.04	0.04	0.04	0.10	0.04
AGE: Ad																						
1972-73 P-VALUE	0.18	0.00	0.84	0.00	0.00	0.00	0.35	0.00	1.70	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.00	0.83	0.00	0.00	0.00	0.34	0.00	1.64	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 DELTA-P		-0.18	0.66	-0.18	-0.18	-0.18	0.17	-0.18	1.52	-0.18	0.50	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	0.28
1972-73 SE OF DP		0.18	0.66	0.18	0.18	0.18	0.17	0.18	1.47	0.18	0.49	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.28
RESPONSE: 01* AGE: 17 TEXT: Agree																						
1972-73 P-VALUE	86.11	85.93	87.93	85.44	85.58	88.54	84.05	88.17	79.04	72.48	79.19	86.31	85.97	89.75	69.16	85.47	81.57	89.05	79.55	86.77	88.58	86.46
1972-73 SE OF P-VAL	0.92	1.46	1.88	1.48	2.50	1.14	1.28	0.86	2.30	3.96	3.70	2.20	1.45	1.05	3.85	4.46	2.59	2.47	3.19	1.40	1.89	1.70
1972-73 DELTA-P		-0.18	1.82	-0.67	-0.53	2.43#	-2.06#	2.06#	-7.07#	-13.63#	-6.92*	0.20	-0.14	3.64#	-16.95#	-0.64	-4.54	2.94	-6.56*	0.66	2.47	0.35
1972-73 SE OF DP		1.36	1.70	1.33	2.02	0.86	0.75	0.53	2.22	3.54	3.33	2.30	1.25	0.88	3.49	4.12	2.49	2.33	3.12	1.64	1.86	1.28
AGE: Ad																						
1972-73 P-VALUE	86.20	86.11	84.95	88.09	85.27	89.20	83.41	87.15	84.02	77.57	81.84	86.88	85.68	91.83	76.62	86.06	79.[illegible]8	91.11	89.55	82.40	88.41	85.90
1972-73 SE OF P-VAL	0.86	1.76	2.08	1.24	1.89	1.20	1.16	0.82	3.01	6.98	2.12	2.16	1.61	1.29	7.17	2.09	3.[illegible]8	1.72	2.88	2.76	2.55	1.17
1972-73 DELTA-P		-0.09	-1.25	1.89	-0.93	3.00#	-2.79#	0.95	-2.18	-8.63	-4.36#	0.68	-0.52	5.63#	-9.58	-0.14	-6.82*	4.91#	3.35	-3.80	2.21	-0.30
1972-73 SE OF DP		1.51	1.81	1.19	1.58	0.84	0.80	0.60	2.83	6.62	1.68	2.00	1.39	1.21	7.27	2.04	3.05	1.62	2.79	2.58	2.35	0.89
RESPONSE: 02 AGE: 17 TEXT: Disagree																						
1972-73 P-VALUE	12.27	12.14	10.71	13.38	12.38	10.72	13.59	10.59	19.29	20.73	18.48	12.66	12.28	9.16	26.25	13.91	15.66	9.42	19.79	10.76	9.84	12.00
1972-73 SE OF P-VAL	0.87	1.61	2.10	1.44	1.90	1.06	1.25	0.88	2.41	3.08	3.80	2.17	1.40	0.95	3.92	4.40	2.39	2.62	3.17	1.69	1.98	1.37
1972-73 DELTA-P		-0.13	-1.56	1.11	0.11	-1.55	1.32	-1.68#	7.02#	8.46#	6.21	0.39	0.01	-3.11#	13.98#	1.64	3.39	-2.85	7.52*	-1.51	-2.43	-0.27
1972-73 SE OF DP		1.40	1.83	1.28	1.63	0.83	0.73	0.45	2.24	2.87	3.15	2.23	1.22	0.68	3.54	4.07	2.34	2.41	3.02	1.76	1.91	1.15
AGE: Ad																						
1972-73 P-VALUE	11.73	11.[illegible]3	11.67	11.19	12.56	9.44	13.86	11.04	12.58	19.15	12.72	12.46	13.07	7.87	20.27	12.85	18.66	7.11	10.45	14.94	10.54	11.12
1972-73 SE OF P-VAL	0.80	1.59	1.71	1.31	1.78	1.20	1.09	0.79	2.65	6.97	1.70	2.15	1.57	1.19	6.83	1.86	3.47	1.70	2.88	2.49	2.21	1.16
1972-73 DELTA-P		-0.20	-0.06	-0.54	0.83	-2.29#	2.13#	-0.69	0.85	7.42	0.99	0.73	1.34	-3.86#	8.54	1.12	6.93*	-4.62#	-1.28	3.21	-1.19	-0.61
1972-73 SE OF DP		1.37	1.52	1.18	1.47	0.85	0.80	0.58	2.60	6.58	1.37	1.99	1.27	1.18	6.83	1.89	3.16	1.65	2.79	2.41	2.04	0.85
RESPONSE: 08 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.55	1.71	1.29	1.18	2.05	0.72	2.26	1.17	1.67	6.57	2.34	1.03	1.76	1.10	3.53	0.62	2.13	1.54	0.66	2.48	1.48	1.54
1972-73 SE OF P-VAL	0.34	0.67	0.76	0.47	0.83	0.25	0.57	0.32	0.69	2.65	1.60	0.54	0.58	0.43	1.81	0.47	1.37	1.02	0.67	1.27	0.67	0.65
1972-73 DELTA-P		0.16	-0.26	-0.37	0.50	-0.83*	0.71#	-0.38	0.12	5.02*	0.79	-0.52	0.21	-0.45	1.98	-0.93	0.58	-0.01	-0.89	0.93	-0.07	-0.01
1972-73 SE OF DP		0.57	0.68	0.46	0.69	0.34	0.28	0.23	0.71	2.47	1.47	0.67	0.42	0.39	1.71	0.54	1.28	0.95	0.68	1.15	0.73	0.53
AGE: Ad																						
1972-73 P-VALUE	1.89	2.36	2.55	0.71	2.16	1.36	2.38	1.81	1.70	3.27	4.77	0.66	1.25	0.30	3.11	1.08	1.95	1.78	0.00	2.66	1.05	2.52
1972-73 SE OF P-VAL	0.32	0.61	0.79	0.47	0.65	0.40	0.46	0.32	1.00	2.08	1.03	0.40	0.54	0.23	2.33	0.69	0.86	0.69	0.00	1.33	0.56	0.65
1972-73 DELTA-P		0.47	0.66	-1.18#	0.27	-0.53	0.49	-0.08	-0.19	1.38	2.88#	-1.23#	-0.64	-1.59#	1.22	-0.81	0.06	-0.11	-1.89#	0.77	-0.84	0.63
1972-73 SE OF DP		0.53	0.68	0.44	0.56	0.31	0.28	0.18	0.94	1.98	0.80	0.45	0.47	0.41	2.31	0.67	0.88	0.68	0.32	1.25	0.58	0.46

EXERCISE: 303070-34 NU276

Part B. Theories in science never go beyond the observed facts on which they are based.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.24	0.69	0.07	0.00	0.18	0.39	0.11	0.07	1.34	0.22	0.00	0.13	0.00	0.24	1.68	0.00	1.25	0.83	0.00	0.00	0.11	0.00
1972-73 SE OF P-VAL	0.16	0.58	0.07	0.00	0.10	0.25	0.09	0.06	0.99	0.23	0.[illegible]	0.13	0.00	0.24	0.91	0.00	0.70	0.82	0.00	0.00	0.11	0.00
1972-73 DELTA-P		0.45	-0.17	-0.24	-0.06	0.15	-0.13	-0.17	1.10	-0.02	-0.24	-0.11	-0.24	0.00	1.44	-0.24	1.01	0.59	-0.24	-0.24	-0.13	-0.24
1972-73 SE OF DP		0.43	0.17	0.16	0.20	0.10	0.08	0.11	0.83	0.33	0.16	0.20	0.16	0.11	0.78	0.16	0.58	0.67	0.16	0.16	0.18	0.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303070-34 RU276

Indicate whether you agree or disagree with statements about theories and their role in science.

Part B. Theories in science never go beyond the observed facts on which they are based.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: Ad TEXT: No Response.																						
1972-73 P-VALUE	0.18	0.00	0.84	0.00	0.00	0.00	0.35	0.00	1.70	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.00	0.83	0.00	0.00	0.00	0.34	0.00	1.64	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 DELTA-P		-0.18	0.66	-0.18	-0.18	-0.18	0.17	-0.18	1.52	-0.18	0.50	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	0.28
1972-73 SE OF DP		0.18	0.66	0.18	0.18	0.18	0.17	0.18	1.47	0.18	0.49	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.28
RESPONSE: 01 AGE: 17 TEXT: Agree																						
1972-73 P-VALUE	18.97	18.51	23.84	15.69	19.34	18.37	19.48	15.28	34.53	37.13	31.77	22.97	19.33	14.19	31.13	16.45	30.85	12.02	23.87	14.17	18.28	20.04
1972-73 SE OF P-VAL	1.30	2.07	2.21	2.64	3.07	1.53	1.78	1.08	3.26	6.14	3.91	3.16	2.21	1.33	4.50	4.61	5.13	2.04	3.31	2.59	1.89	2.24
1972-73 DELTA-P		-0.46	4.87*	-3.28	0.39	-0.60	0.51	-3.69#	15.56#	18.16#	12.80#	4.00	0.36	-4.78#	12.16#	-2.52	11.88#	-6.95#	4.90	-4.80	-0.69	1.07
1972-73 SE OF DP		1.92	2.10	2.13	2.57	1.09	0.93	0.82	2.97	5.60	3.50	3.16	1.39	1.04	4.39	4.40	4.62	2.12	3.37	2.51	2.05	1.73
AGE: Ad																						
1972-73 P-VALUE	23.39	23.42	22.85	20.76	26.66	21.12	25.50	20.36	41.36	33.22	24.76	27.20	20.87	20.75	43.10	17.03	39.68	18.10	20.57	25.66	26.31	21.76
1972-73 SE OF P-VAL	1.25	2.90	2.27	1.99	2.77	1.77	1.74	1.23	3.73	5.43	2.08	3.14	2.34	2.41	8.73	2.58	4.21	3.37	4.19	3.07	3.98	1.64
1972-73 DELTA-P		0.03	-0.54	-2.63	3.27	-2.27	2.11	-3.03#	17.97#	9.83	1.37	3.81	-2.52	-2.64	19.71*	-6.36#	16.29#	-5.29	-2.82	2.27	2.92	-1.63
1972-73 SE OF DP		2.39	2.12	1.85	2.30	1.27	1.18	0.57	3.39	5.07	1.69	2.99	1.97	2.17	8.31	2.54	3.92	3.03	3.98	2.77	3.62	1.36
RESPONSE: 02* AGE: 17 TEXT: Disagree																						
1972-73 P-VALUE	76.98	77.28	73.25	79.93	76.20	77.06	76.91	81.27	58.39	56.92	61.68	73.10	76.25	83.06	60.15	81.39	61.90	83.64	74.61	84.10	76.38	75.60
1972-73 SE OF P-VAL	1.43	2.02	2.27	3.13	3.34	1.83	1.77	1.16	3.73	6.68	4.86	2.58	2.43	1.31	4.37	5.16	5.86	2.60	3.73	2.34	3.07	2.25
1972-73 DELTA-P		0.30	-3.73	2.95	-0.78	0.08	-0.07	4.29#	-18.59#	-20.06#	-15.30#	-3.88	-0.73	6.08#	-16.83#	4.41	-15.08#	6.66*	-2.37	7.12#	-0.60	-1.38
1972-73 SE OF DP		1.99	2.24	2.45	2.80	1.19	1.01	0.96	3.29	6.06	4.41	2.64	1.43	1.12	4.16	4.82	5.35	2.70	3.79	2.78	3.02	1.84
AGE: Ad																						
1972-73 P-VALUE	70.65	70.91	70.01	74.25	67.01	74.51	67.06	75.24	48.22	48.16	63.13	68.05	76.08	76.27	43.03	75.63	50.83	76.81	76.12	70.85	68.71	71.55
1972-73 SE OF P-VAL	1.42	2.89	3.39	2.56	2.85	2.03	1.74	1.38	4.00	7.13	2.50	3.64	2.36	2.44	6.65	3.72	3.94	3.35	4.57	3.23	4.05	2.33
1972-73 DELTA-P		0.26	-0.64	3.60	-3.64	3.86#	-3.59#	4.59#	-22.43#	-22.49#	-7.52#	-2.60	5.43#	5.62*	-27.62#	4.98	-19.82#	6.16	5.47	0.20	-1.94	0.90
1972-73 SE OF DP		2.48	2.94	2.27	2.45	1.27	1.20	0.77	3.68	6.87	2.09	3.25	2.00	2.28	6.27	3.44	3.89	3.17	4.39	3.00	3.77	1.71
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.80	3.52	2.83	4.37	4.25	4.17	3.49	3.37	5.73	5.71	6.54	3.79	4.41	2.49	7.04	2.15	5.99	3.50	1.50	1.72	5.23	4.35
1972-73 SE OF P-VAL	0.45	0.96	0.74	0.95	0.80	0.75	0.51	0.47	1.53	1.75	1.69	1.65	0.77	0.53	2.13	0.93	1.60	1.23	0.84	0.77	1.62	0.87
1972-73 DELTA-P		-0.28	-0.97	0.57	0.45	0.37	-0.31	-0.43	1.93	1.91	2.74	-0.01	0.61	-1.31*	3.24	-1.65	2.19	-0.30	-2.30*	-2.08*	1.43	0.55
1972-73 SE OF DP		0.80	0.72	0.76	0.72	0.49	0.41	0.25	1.37	1.71	1.59	1.48	0.54	0.56	1.97	0.91	1.51	1.20	0.94	0.87	1.50	0.67
AGE: Ad																						
1972-73 P-VALUE	5.79	5.67	6.31	4.99	6.34	4.38	7.10	4.41	8.73	18.63	11.45	4.76	3.06	2.99	13.88	7.35	9.49	5.09	3.32	3.50	4.98	6.23
1972-73 SE OF P-VAL	0.66	1.00	1.62	1.01	1.67	0.82	0.90	0.58	2.17	4.75	1.63	1.60	0.84	0.95	6.77	2.57	3.00	1.39	1.48	1.29	1.45	1.12
1972-73 DELTA-P		-0.12	0.52	-0.80	0.55	-1.41*	1.31*	-1.38#	2.94	12.84#	5.66#	-1.03	-2.73#	-2.80#	8.09	1.56	3.70	-0.70	-2.47	-2.29	-0.81	0.44
1972-73 SE OF DP		0.96	1.40	0.96	1.34	0.57	0.54	0.45	2.06	4.43	1.26	1.51	0.79	1.05	6.58	2.30	2.74	1.37	1.45	1.39	1.55	0.84

EXERCISE: 303070-34 RU276

Part C. The usefulness of a theory is in its application in explaining natural events.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.26	0.40	0.07	0.27	0.25	0.19	0.32	0.14	0.63	1.18	0.00	0.13	0.00	0.24	2.03	0.00	1.25	0.26	0.34	0.00	0.65	0.00
1972-73 SE OF P-VAL	0.10	0.22	0.07	0.21	0.19	0.11	0.16	0.08	0.43	1.03	0.00	0.13	0.00	0.15	0.96	0.00	0.70	0.26	0.36	0.00	0.42	0.00
1972-73 DELTA-P		0.14	-0.19	0.01	-0.01	-0.07	0.06	-0.12	0.37	0.92	-0.26#	-0.13	-0.26#	-0.02	1.77	-0.26#	0.99	0.00	0.08	-0.26#	0.39	-0.26#
1972-73 SE OF DP		0.18	0.11	0.17	0.17	0.11	0.09	0.08	0.38	0.98	0.10	0.15	0.10	0.11	0.90	0.10	0.65	0.24	0.34	0.10	0.37	0.10
AGE: Ad																						
1972-73 P-VALUE	0.18	0.00	0.34	0.00	0.00	0.00	0.35	0.00	1.70	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.00	0.83	0.00	0.00	0.00	0.34	0.00	1.64	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 DELTA-P		-0.18	0.66	-0.18	-0.18	-0.18	0.17	-0.18	1.52	-0.18	0.50	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	0.28
1972-73 SE OF DP		0.18	0.66	0.18	0.18	0.18	0.17	0.18	1.47	0.18	0.49	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.28

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303070-34 RU276

Indicate whether you agree or disagree with statements about theories and their role in science.

Part C. The usefulness of a theory is in its application in explaining natural events.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 17 TEXT: Agree																						
1972-73 P-VALUE	74.99	75.57	78.87	73.81	72.49	74.15	75.20	76.02	73.43	64.05	71.72	77.66	74.40	76.92	64.54	77.05	69.21	77.17	74.32	72.30	76.15	75.67
1972-73 SE OF P-VAL	1.18	2.48	1.80	2.70	1.96	1.47	1.53	1.43	2.34	4.02	4.37	2.87	1.95	1.62	3.25	3.59	3.66	3.76	3.30	4.55	3.01	1.71
1972-73 DELTA-P		0.58	3.88*	-1.18	-2.50	-0.84	0.71	1.03	-1.56	-10.94#	-3.27	2.67	-0.59	1.93	-10.45#	2.06	-5.78	2.18	-0.67	-2.69	1.16	0.68
1972-73 SE OF DP		2.08	1.81	2.11	1.86	1.01	0.85	0.53	2.53	3.96	4.26	2.53	1.60	1.07	3.18	3.43	3.49	3.45	3.34	4.11	2.84	1.44
AGE: Ad																						
1972-73 P-VALUE	74.58	74.94	69.85	77.40	75.10	73.21	75.85	75.66	70.61	67.14	66.67	74.27	78.10	81.07	51.15	68.33	73.62	83.47	80.08	78.33	73.44	71.17
1972-73 SE OF P-VAL	1.36	2.70	2.69	2.91	2.59	1.80	1.60	1.37	3.36	4.87	2.29	2.55	2.25	2.25	7.91	3.90	4.86	2.49	4.30	3.45	3.80	2.28
1972-73 DELTA-P		0.36	-4.73	2.82	0.52	-1.37	1.27	1.08*	-3.97	-7.44	-7.91#	-0.31	3.52	6.49#	-23.43#	-6.25	-0.96	8.89#	5.50	3.75	-1.14	-3.41*
1972-73 SE OF DP		2.34	2.45	2.40	2.27	1.05	0.98	0.52	3.04	4.48	1.84	2.30	1.83	1.85	7.60	3.62	4.69	2.47	4.22	3.19	3.68	1.66
RESPONSE: 02 AGE: 17 TEXT: Disagree																						
1972-73 P-VALUE	15.90	15.90	15.24	15.94	16.41	18.70	13.52	15.13	17.71	22.69	15.40	14.54	15.11	16.31	19.09	12.76	21.10	14.35	15.33	19.01	14.34	15.66
1972-73 SE OF P-VAL	0.97	1.60	1.74	2.26	1.87	1.34	1.17	1.16	1.95	3.14	2.41	2.48	1.59	1.37	3.04	3.20	3.09	2.31	2.67	3.92	2.46	1.52
1972-73 DELTA-P		0.00	-0.66	0.04	0.51	2.80#	-2.38#	-0.77	1.81	6.79*	-0.50	-1.36	-0.79	0.41	3.19	-3.14	5.20	-1.55	-0.57	3.11	-1.56	-0.24
1972-73 SE OF DP		1.47	1.65	1.75	1.67	0.88	0.74	0.43	2.08	3.14	2.50	2.19	1.25	0.90	2.92	2.27	2.88	2.22	2.59	3.50	2.38	1.25
AGE: Ad																						
1972-73 P-VALUE	17.91	18.53	17.49	18.16	17.38	22.00	14.10	18.25	16.86	15.32	20.29	16.57	16.67	16.66	27.97	21.14	13.52	12.37	15.34	15.86	18.90	21.02
1972-73 SE OF P-VAL	1.30	2.27	1.34	3.08	2.87	1.86	1.23	1.41	3.00	4.44	2.09	2.92	2.32	2.19	6.78	2.66	2.50	2.38	3.59	3.08	3.49	2.47
1972-73 DELTA-P		0.62	-0.42	0.25	-0.53	4.09#	-3.81#	0.34	-1.05	-2.59	2.38	-1.24	-1.24	-1.25	10.06	3.23	-4.39	-5.54*	-2.57	-2.05	0.99	3.11
1972-73 SE OF DP		2.06	1.65	2.43	2.39	0.91	0.86	0.52	2.90	4.08	1.83	2.03	1.73	1.96	6.28	2.69	2.63	2.46	3.54	2.85	3.30	1.62
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.85	8.13	5.82	9.97	10.85	6.96	10.46	8.71	8.23	12.08	12.88	7.67	10.50	6.54	14.34	10.20	8.43	8.23	10.01	8.69	8.87	8.67
1972-73 SE OF P-VAL	0.68	1.60	0.87	1.45	1.15	0.80	0.94	0.79	1.39	3.38	2.80	1.70	1.43	0.88	3.64	3.37	1.50	2.32	2.44	1.72	1.71	0.98
1972-73 DELTA-P		-0.72	-3.03#	1.12	2.00	-1.89#	1.61#	-0.14	-0.62	3.23	4.03	-1.18	1.65	-2.31#	5.49	1.35	-0.42	-0.62	1.16	-0.16	0.02	-0.18
1972-73 SE OF DP		1.31	0.95	1.15	1.07	0.60	0.52	0.29	1.45	3.24	2.74	1.56	1.17	0.82	3.41	3.08	1.60	2.10	2.32	1.68	1.65	0.82
AGE: Ad																						
1972-73 P-VALUE	7.33	6.53	11.82	4.43	7.53	4.78	9.70	6.09	10.83	17.54	12.37	9.05	5.23	2.27	20.88	10.53	12.86	4.16	4.58	5.81	7.65	7.35
1972-73 SE OF P-VAL	0.73	1.50	1.89	1.02	1.45	0.65	1.17	0.70	1.99	4.21	1.71	1.73	1.00	0.76	6.73	1.85	3.29	1.62	1.52	1.93	2.15	1.14
1972-73 DELTA-P		-0.80	4.49#	-2.90#	0.20	-2.55#	2.37#	-1.24#	3.50	10.21#	5.04#	1.72	-2.10*	-5.06#	13.55*	3.20	5.53	-3.17*	-2.75	-1.52	0.32	0.02
1972-73 SE OF DP		1.29	1.63	0.96	1.25	0.65	0.60	0.44	1.76	3.95	1.32	1.50	0.94	0.86	6.57	1.88	3.08	1.53	1.57	1.70	2.02	0.97

EXERCISE: 303070-34 RU276

Part D. Theories are neither true nor false but are judged only in terms of whether they are useful in explaining natural events.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.20	0.49	0.07	0.19	0.00	0.19	0.21	0.16	0.00	1.18	0.00	0.00	0.00	0.28	1.05	0.00	0.64	0.00	0.00	0.00	0.52	0.20
1972-73 SE OF P-VAL	0.10	0.32	0.07	0.19	0.00	0.16	0.13	0.11	0.00	1.03	0.00	0.00	0.00	0.20	0.68	0.00	0.47	0.00	0.00	0.00	0.40	0.20
1972-73 DELTA-P		0.29	-0.13	-0.01	-0.20*	-0.01	0.01	-0.04	-0.20*	0.98	-0.20*	-0.20*	-0.20*	0.08	0.85	-0.20*	0.44	-0.20*	-0.20*	-0.20*	0.32	0.00
1972-73 SE OF DP		0.24	0.12	0.16	0.10	0.12	0.10	0.06	0.10	0.98	0.10	0.10	0.10	0.12	0.64	0.10	0.44	0.10	0.10	0.10	0.36	0.15
AGE: Ad																						
1972-73 P-VALUE	0.18	0.00	0.84	0.00	0.00	0.00	0.35	0.00	1.70	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.00	0.83	0.00	0.00	0.00	0.34	0.00	1.64	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 DELTA-P		-0.18	0.66	-0.18	-0.18	-0.18	0.17	-0.18	1.52	-0.18	0.50	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	0.28
1972-73 SE OF DP		0.18	0.66	0.18	0.18	0.18	0.17	0.18	1.47	0.18	0.49	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.28
RESPONSE: 01* AGE: 17 TEXT: Agree																						
1972-73 P-VALUE	61.49	58.85	64.03	61.33	62.46	60.14	62.64	59.29	71.73	70.33	67.18	69.23	65.00	56.84	60.70	63.73	67.07	56.66	65.12	61.33	59.11	61.59
1972-73 SE OF P-VAL	1.47	2.64	3.37	2.91	2.99	2.14	1.45	1.56	3.48	5.33	4.89	3.32	2.69	1.81	5.70	4.69	4.40	4.66	5.67	4.03	3.52	2.58
1972-73 DELTA-P		-2.64	2.54	-0.16	0.97	-1.35	1.15	-2.20#	10.24#	8.84	5.69	7.74*	3.51	-4.65#	-0.79	2.24	5.58	-4.83	3.63	-0.16	-2.38	0.10
1972-73 SE OF DP		2.36	3.00	2.38	2.61	1.14	0.97	0.66	3.21	5.12	5.04	3.22	2.14	1.24	5.15	4.50	4.13	4.45	5.59	3.82	3.43	1.96

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303070-34 RU276

Indicate whether you agree or disagree with statements about theories and their role in science.

Part D. Theories are neither true nor false but are judged only in terms of whether they are useful in explaining natural events.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: Ad TEXT: Agree																						
1972-73 P-VALUE	62.42	60.50	58.46	68.39	61.14	60.27	64.41	60.86	71.98	67.00	64.61	64.02	63.61	58.50	55.51	58.21	67.74	58.88	63.69	67.32	64.53	60.96
1972-73 SE OF P-VAL	1.11	2.56	1.55	2.19	2.15	1.79	1.40	1.24	3.64	5.68	2.05	2.98	2.05	2.42	7.59	2.78	3.50	3.58	4.28	3.58	3.62	1.96
1972-73 DELTA-P		-1.92	-3.96*	5.97#	-1.28	-2.15	1.99	-1.56#	9.56#	4.58	2.19	1.60	1.19	-3.92	-6.91	-4.21	5.32	-3.54	1.27	4.90	2.11	-1.46
1972-73 SE OF DP		2.12	1.61	1.83	1.87	1.21	1.11	0.62	3.65	5.37	1.91	2.69	1.70	2.13	7.47	2.85	3.39	3.46	4.10	3.31	1.51	1.52
RESPONSE: 02 AGE: 17 TEXT: Disagree																						
1972-73 P-VALUE	34.68	37.06	35.09	34.13	32.37	36.94	32.76	37.18	24.33	22.01	28.57	26.75	31.11	39.69	34.06	30.00	29.91	39.68	29.81	34.10	38.06	35.01
1972-73 SE OF P-VAL	1.40	2.82	3.39	2.56	2.59	2.15	1.38	1.57	2.40	3.25	4.82	2.65	2.59	1.76	6.27	5.14	4.32	5.34	5.29	3.18	3.18	2.52
1972-73 DELTA-P		2.38	0.41	-0.55	-2.31	2.26	-1.92	2.50#	-10.35#	-12.67#	-6.11	-7.93#	-3.57	5.01#	-0.62	-4.68	-4.77	5.00	-4.87	-0.58	3.38	0.33
1972-73 SE OF DP		2.41	2.96	2.17	2.33	1.19	1.01	0.58	2.44	3.23	4.97	2.85	2.07	1.15	5.78	4.97	4.05	4.97	5.29	3.26	3.17	1.93
AGE: Ad																						
1972-73 P-VALUE	31.85	33.00	33.96	27.92	33.22	35.54	28.42	34.13	20.23	21.41	25.88	32.01	31.09	38.75	32.06	34.72	27.38	36.57	31.94	30.87	30.70	31.29
1972-73 SE OF P-VAL	1.12	2.56	2.20	2.23	1.86	1.57	1.41	1.27	3.04	4.26	2.01	2.96	2.01	2.45	6.36	2.98	3.27	3.73	2.99	3.42	3.47	1.95
1972-73 DELTA-P		1.15	2.11	-3.93*	1.37	3.69#	-3.43#	2.28#	-11.62#	-10.44*	-5.97#	0.16	-0.76	6.90#	0.21	2.87	-4.47	4.72	0.09	-0.98	-1.15	-0.56
1972-73 SE OF DP		2.13	2.00	1.86	1.72	1.05	0.93	0.44	3.06	4.28	1.79	2.70	1.75	2.02	6.46	2.95	3.20	3.45	2.95	3.16	3.36	1.48
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.63	3.60	0.81	4.35	5.17	2.74	4.39	3.38	3.94	6.49	4.24	4.03	3.89	3.20	4.20	6.28	2.38	3.66	5.07	4.57	2.31	3.19
1972-73 SE OF P-VAL	0.50	0.91	0.30	1.14	1.14	0.63	0.62	0.42	1.90	3.59	1.82	1.89	0.82	0.61	1.97	2.38	0.89	1.13	3.22	1.31	0.83	0.70
1972-73 DELTA-P		-0.03	-2.82#	0.72	1.54	-0.89*	0.76*	-0.25	0.31	2.86	0.61	0.40	0.26	-0.43	0.57	2.65	-1.25	0.03	1.44	0.94	-1.32	-0.44
1972-73 SE OF DP		0.80	0.55	0.89	0.97	0.41	0.36	0.32	1.73	3.39	1.70	1.61	0.64	0.55	1.88	2.25	0.85	1.12	2.98	1.14	0.86	0.63
AGE: Ad																						
1972-73 P-VALUE	5.55	6.50	6.74	3.69	5.64	4.18	6.82	5.01	6.09	11.58	8.83	3.96	5.30	2.74	12.43	7.07	4.88	4.54	4.36	1.81	4.77	7.29
1972-73 SE OF P-VAL	0.57	1.08	0.91	0.87	1.53	0.99	0.73	0.46	2.02	5.46	1.41	1.11	1.40	0.60	4.28	1.37	1.71	1.23	1.67	0.89	1.15	1.05
1972-73 DELTA-P		0.95	1.19	-1.86*	0.09	-1.37*	1.27*	-0.54	0.54	6.03	3.28#	-1.59	-0.25	-2.81#	6.88	1.52	-0.67	-1.01	-1.19	-3.74#	-0.78	1.74*
1972-73 SE OF DP		0.94	0.90	0.82	1.21	0.68	0.62	0.45	1.82	5.16	1.15	1.14	1.10	0.73	4.31	1.28	1.60	1.25	1.59	0.97	1.17	0.71

EXERCISE: 303070-34 RU276

Part E. Theories exist in the forms of words, mechanical models, and mathematical models.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.56	0.45	0.07	0.19	1.54	0.59	0.53	0.45	0.55	2.12	0.00	1.31	0.49	0.29	2.24	0.00	1.26	0.00	0.00	0.43	2.90	0.00
1972-73 SE OF P-VAL	0.31	0.25	0.07	0.19	1.29	0.38	0.29	0.32	0.41	1.40	0.00	0.96	0.37	0.21	1.09	0.00	0.68	0.00	0.00	0.42	2.06	0.00
1972-73 DELTA-P		-0.11	-0.49	-0.37	0.98	0.03	-0.03	-0.11	-0.01	1.56	-0.56	0.75	-0.07	-0.27	1.68	-0.56	0.70	-0.56	-0.56	-0.13	2.34	-0.56
1972-73 SE OF DP		0.35	0.31	0.33	1.00	0.14	0.11	0.09	0.34	1.24	0.31	0.70	0.15	0.17	0.92	0.31	0.70	0.31	0.31	0.48	1.77	0.31
AGE: Ad																						
1972-73 P-VALUE	0.18	0.00	0.84	0.00	0.00	0.00	0.35	0.00	1.70	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.00	0.83	0.00	0.00	0.00	0.34	0.00	1.64	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 DELTA-P		-0.18	0.66	-0.18	-0.18	-0.18	0.17	-0.18	1.52	-0.18	0.50	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	0.28
1972-73 SE OF DP		0.18	0.66	0.18	0.18	0.18	0.17	0.18	1.47	0.18	0.49	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.28
RESPONSE: 01* AGE: 17 TEXT: Agree																						
1972-73 P-VALUE	74.81	77.09	74.31	74.85	72.66	74.76	74.85	77.37	63.80	62.67	67.72	71.65	4.43	77.91	67.13	79.92	65.18	79.34	79.53	79.37	71.92	72.96
1972-73 SE OF P-VAL	1.25	2.00	2.28	2.97	2.29	1.88	1.32	1.34	3.83	3.10	4.47	3.37	2.40	2.09	3.80	3.73	5.10	3.56	3.49	2.53	3.96	1.95
1972-73 DELTA-P		2.28	-0.50	0.04	-2.15	-0.05	0.04	2.56#	-11.01#	-12.18#	-7.09	-3.16	-0.38	3.10*	-7.68*	5.11	-9.63*	..53	4.72	4.56	-2.89	-1.85
1972-73 SE OF DP		1.84	2.16	2.28	2.08	1.09	0.93	0.74	3.48	3.23	4.34	3.36	2.08	1.49	3.84	3.69	4.74	3.25	3.32	2.40	3.65	1.73
AGE: Ad																						
1972-73 P-VALUE	72.83	73.71	71.64	72.01	73.84	75.54	70.31	75.06	66.16	55.11	68.05	63.09	75.35	81.73	60.97	71.65	67.97	72.00	71.96	76.75	76.63	72.48
1972-73 SE OF P-VAL	1.20	2.05	3.08	2.62	1.85	1.70	1.59	1.11	3.80	7.07	2.67	2.97	1.85	1.96	7.93	3.50	4.40	4.32	5.91	3.85	5.25	2.00
1972-73 DELTA-P		0.88	-1.19	-0.82	1.01	2.71*	-2.52*	2.23#	-6.67	-17.72#	-4.78*	-9.74#	2.52	8.90#	-11.86	-1.18	-4.86	-0.83	-0.87	3.92	3.80	-0.35
1972-73 SE OF DP		1.88	2.62	2.12	1.77	1.17	1.08	0.72	3.54	6.65	2.08	2.70	1.83	1.69	7.61	3.34	4.35	4.05	5.76	3.79	4.98	1.68

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303070-34 RU276

Indicate whether you agree or disagree with statements about theories and their role in science.

Part E. Theories exist in the forms of words, mechanical models, and mathematical models.

RESPONSE: 02 AGE: 17 TEXT: Disagree

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	18.63	15.26	22.19	18.74	19.21	19.83	17.61	16.82	27.34	25.31	23.41	20.82	18.73	16.77	22.91	17.22	24.03	13.92	15.24	14.82	18.29	21.42
1972-73 SE OF P-VAL	1.06	1.71	2.07	2.08	2.13	1.52	1.27	1.16	2.85	3.87	3.93	2.66	1.76	1.74	3.63	3.63	2.98	2.85	2.32	2.43	2.67	1.83
1972-73 DELTA-P		-3.37*	3.56	0.11	0.58	1.20	-1.02	-1.81#	8.71#	6.68	4.78	2.19	0.10	-1.86	4.28	-1.41	5.40	-4.71	-3.39	-3.81	-0.34	2.79
1972-73 SE OF DP		1.57	2.16	1.71	1.87	0.97	0.82	0.59	2.70	3.79	3.73	2.50	1.61	1.21	3.60	3.53	2.87	2.59	2.29	2.37	2.35	1.48

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	19.74	19.05	16.96	22.57	19.67	19.67	19.80	19.00	20.88	27.38	18.83	32.54	18.16	14.60	23.15	19.88	23.22	18.63	22.95	19.38	14.85	20.09
1972-73 SE OF P-VAL	1.03	1.95	1.97	2.61	1.32	1.45	1.44	1.09	3.79	4.53	1.80	2.94	1.60	1.89	5.75	3.23	4.64	3.34	5.34	3.52	3.15	1.56
1972-73 DELTA-P		-0.69	-2.78	2.83	-0.07	-0.07	0.06	-0.74	1.14	7.64	-0.91	12.80#	-1.58	-5.14#	3.41	0.14	3.48	-1.11	3.21	-0.36	-4.89	0.35
1972-73 SE OF DP		1.71	1.83	2.02	1.38	1.06	0.98	0.56	3.46	4.43	1.52	2.61	1.43	1.56	5.63	3.05	4.63	3.05	5.04	3.39	3.08	1.33

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.01	7.20	3.44	6.22	6.61	4.83	7.02	5.38	8.32	9.91	8.88	6.24	6.36	5.04	7.74	2.87	9.54	6.75	5.24	5.39	6.90	5.62
1972-73 SE OF P-VAL	0.56	1.08	0.50	1.31	1.11	0.92	0.71	0.55	2.36	1.61	2.01	1.87	1.25	0.80	2.54	0.90	3.36	1.82	2.54	1.32	1.52	0.76
1972-73 DELTA-P		1.19	-2.57#	0.21	0.60	-1.18	1.01	-0.63	2.31	3.90#	2.87	0.23	0.35	-0.97	1.73	-3.14#	3.53	0.74	-0.77	-0.62	0.89	-0.39
1972-73 SE OF DP		0.93	0.67	1.01	0.98	0.65	0.55	0.36	2.11	1.56	2.02	1.85	1.00	0.64	2.45	0.94	3.10	1.68	2.50	1.35	1.44	0.68

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.25	7.24	10.57	5.42	6.48	4.78	9.54	5.94	11.26	17.51	12.44	4.37	6.49	3.67	15.88	8.46	8.80	9.37	5.09	3.86	8.52	6.96
1972-73 SE OF P-VAL	0.80	1.76	2.16	1.19	1.33	0.96	1.00	0.68	2.17	5.67	1.87	1.29	1.02	0.80	6.57	3.03	2.10	3.08	1.79	1.47	2.58	1.11
1972-73 DELTA-P		-0.01	3.32	-1.83	-0.77	-2.47#	2.29#	-1.31*	4.01*	10.26	5.19#	-2.88*	-0.76	-3.58#	8.63	1.21	1.55	2.12	-2.16	-3.39*	1.27	-0.29
1972-73 SE OF DP		1.47	1.84	1.11	1.23	0.57	0.53	0.55	1.97	5.23	1.34	1.28	0.94	0.81	6.22	2.77	1.92	2.75	1.80	1.57	2.46	0.93

EXERCISE: 303070-34 RU276

Part F. If research results demonstrate that a theory is inadequate, the theory should be thrown out immediately.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.65	0.45	0.07	0.50	1.54	0.79	0.53	0.57	0.84	1.41	0.00	1.23	0.49	0.47	2.48	0.00	1.26	0.00	0.50	0.43	2.78	0.20
1972-73 SE OF P-VAL	0.33	0.25	0.07	0.22	1.38	0.41	0.32	0.36	0.46	1.11	0.00	0.93	0.37	0.26	1.14	0.00	0.68	0.00	0.51	0.42	2.24	0.16
1972-73 DELTA-P		-0.20	-0.58	-0.15	0.89	0.14	-0.12	-0.08	0.19	0.76	-0.65	0.58	-0.16	-0.18	1.83	-0.65	0.61	-0.65	-0.15	-0.22	2.13	-0.45
1972-73 SE OF DP		0.37	0.34	0.36	1.07	0.16	0.13	0.09	0.39	1.02	0.33	0.65	0.14	0.14	0.95	0.33	0.71	0.33	0.58	0.50	1.93	0.35

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.20	0.09	0.83	0.00	0.00	0.05	0.34	0.03	1.70	0.00	0.67	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.46
1972-73 SE OF P-VAL	0.18	0.09	0.83	0.00	0.00	0.05	0.34	0.03	1.64	0.00	0.67	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.46
1972-73 DELTA-P		-0.11	0.63	-0.20	-0.20	-0.15	0.14	-0.17	1.50	-0.20	0.47	-0.20	-0.13	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.01	0.26
1972-73 SE OF DP		0.19	0.66	0.18	0.18	0.18	0.17	0.18	1.47	0.18	0.49	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.25	0.28

RESPONSE: 01 AGE: 17 TEXT: Agree

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	25.12	20.77	30.21	24.94	25.85	25.48	24.82	24.11	34.26	19.68	[illegible]	31.62	26.34	23.08	19.85	25.34	36.09	25.49	26.47	17.27	25.59	24.22
1972-73 SE OF P-VAL	1.36	2.81	1.71	2.93	2.18	1.86	1.49	1.45	4.18	2.60	[illegible]	3.26	2.49	1.80	4.81	6.03	5.41	2.92	2.48	2.33	2.75	2.30
1972-73 DELTA-P		-4.35	5.09#	-0.18	0.73	0.36	-0.30	-1.01	9.14#	-5.44*	4.75	6.50*	1.22	-2.04	-5.27	0.22	10.97*	0.37	1.35	-7.85#	0.47	-0.90
1972-73 SE OF DP		2.25	1.89	2.32	2.08	1.05	0.89	0.69	3.06	2.66	4.56	3.19	1.82	1.19	4.33	5.66	4.96	2.06	2.78	2.25	2.65	1.82

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	26.66	25.12	28.45	25.41	28.04	26.86	26.48	24.13	44.20	30.71	29.76	31.13	22.21	24.72	40.09	25.96	39.53	20.39	28.08	26.99	28.54	24.93
1972-73 SE OF P-VAL	1.02	2.23	2.44	1.63	1.86	1.70	1.25	1.00	3.72	4.36	2.16	3.19	1.53	2.29	7.07	2.26	3.79	3.04	3.98	3.42	3.70	1.43
1972-73 DELTA-P		-1.54	1.79	-1.25	1.38	0.20	-0.18	-2.53#	17.54#	4.05	3.10	4.47	-4.45#	-1.94	13.43	-0.70	12.87#	-6.27*	1.42	0.33	1.88	-1.73
1972-73 SE OF DP		1.85	2.12	1.49	1.65	1.12	1.04	0.61	3.25	4.33	1.78	2.88	1.57	1.96	7.11	2.34	3.63	2.84	3.83	3.13	3.47	1.22

RESPONSE: 02* AGE: 17 TEXT: Disagree

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	69.76	75.03	66.10	69.79	66.99	69.65	69.86	72.00	56.02	67.89	60.90	64.87	68.79	72.88	68.67	69.10	57.55	72.29	68.44	76.98	66.24	71.33
1972-73 SE OF P-VAL	1.53	3.30	2.32	3.08	2.32	2.05	1.67	1.54	4.77	3.17	5.30	3.26	2.76	1.82	4.37	4.96	5.80	2.76	3.08	2.42	3.52	2.67
1972-73 DELTA-P		5.27*	-3.66	0.03	-2.77	-0.11	0.10	2.24#	-13.74#	-1.87	-8.86	-4.89	-0.97	3.12*	-1.09	-0.66	-12.21*	2.53	-1.32	7.22#	-3.52	1.57
1972-73 SE OF DP		2.58	2.36	2.50	2.27	1.14	0.97	0.82	4.29	3.25	5.04	3.01	1.94	1.25	4.32	4.70	5.28	2.86	3.06	2.47	3.32	2.04

The absolute value of this number is greater than 2.0 times its standard error.
The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303070-34 RU276

Indicate whether you agree or disagree with statements about theories and their role in science.

Part F. If research results demonstrate that a theory is inadequate, the theory should be thrown out immediately.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02* AGE: Ad TEXT: Disagree																						
1972-73 P-VALUE	69.09	69.42	65.34	72.47	68.21	69.87	68.36	72.71	47.56	57.57	61.50	65.38	75.51	73.59	48.30	68.66	54.12	75.68	71.42	69.19	68.28	70.22
1972-73 SE OF P-VAL	1.17	2.30	3.05	1.79	2.35	1.73	1.43	1.08	4.38	5.72	2.43	3.32	1.53	2.36	8.41	3.15	4.12	3.05	4.06	4.00	3.60	1.71
1972-73 DELTA-P		0.33	-3.75	3.38*	-0.88	0.78	-0.73	3.62#	-21.53#	-11.52*	-7.59#	-3.71	6.42#	4.50*	-20.79*	-0.43	-14.97#	6.59*	2.33	0.10	-0.81	1.13
1972-73 SE OF DP		1.99	2.61	1.66	2.02	1.10	1.03	0.76	3.85	5.58	1.97	2.95	1.62	1.97	8.35	3.12	3.91	2.86	3.78	3.61	3.42	1.43
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.47	3.75	3.62	4.77	5.62	4.09	4.79	3.32	8.89	11.03	9.23	2.27	4.38	3.58	9.00	5.56	5.09	2.22	4.59	5.32	5.39	4.25
1972-73 SE OF P-VAL	0.59	0.91	1.16	1.10	1.40	0.71	0.67	0.54	1.48	3.67	2.55	1.14	0.84	0.61	2.92	1.79	1.17	0.94	1.50	1.24	1.51	1.10
1972-73 DELTA-P		-0.72	-0.85	0.30	1.15	-0.38	0.32	-1.15#	4.42#	6.56	4.76	-2.20	-0.09	-0.89	4.53	1.09	0.62	-2.25*	0.12	0.85	0.92	-0.22
1972-73 SE OF DP		0.85	1.06	0.92	1.16	0.39	0.33	0.37	1.38	3.44	2.40	1.11	0.61	0.56	2.63	1.71	1.22	1.01	1.57	1.23	1.27	0.72
AGE: Ad																						
1972-73 P-VALUE	4.05	5.37	5.37	2.12	3.74	3.22	4.82	3.13	6.55	11.73	8.06	3.50	2.20	1.68	11.61	5.38	6.35	3.93	0.51	3.82	2.99	4.40
1972-73 SE OF P-VAL	0.44	0.83	1.05	0.63	1.02	0.62	0.72	0.37	1.99	3.86	1.17	1.03	0.57	0.66	6.29	1.67	1.86	1.03	0.50	1.56	0.96	0.86
1972-73 DELTA-P		1.32	1.32	-1.93#	-0.31	-0.83	0.77	-0.92#	2.50	7.68*	4.01#	-0.55	-1.85#	-2.37#	7.56	1.33	2.30	-0.12	-3.54#	-0.23	-1.06	0.35
1972-73 SE OF DP		0.73	0.92	0.61	0.84	0.52	0.48	0.32	1.87	3.70	0.96	0.96	0.58	0.67	6.18	1.60	1.71	0.95	0.59	1.52	1.00	0.66

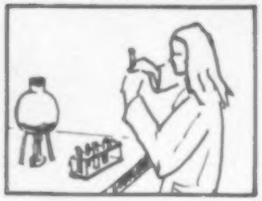
EXERCISE: 303070-34 RU276

Part G. The more complicated the theory, the better satisfied the scientist will be with it.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.81	1.49	0.08	0.19	1.44	0.91	0.72	0.71	1.05	1.63	1.00	0.85	0.54	0.55	3.53	0.00	2.10	0.00	1.13	0.43	2.92	0.25
1972-73 SE OF P-VAL	0.36	0.57	0.07	0.19	1.37	0.42	0.34	0.37	0.65	1.24	1.00	0.84	0.37	0.30	0.99	0.00	0.60	0.00	0.89	0.42	2.25	0.21
1972-73 DELTA-P		0.68	-0.73*	-0.62	0.63	0.10	-0.09	-0.10	0.24	0.82	0.19	0.04	-0.27	-0.26	2.72#	-0.81*	1.29*	-0.81*	0.32	-0.38	2.11	-0.56
1972-73 SE OF DP		0.53	0.36	0.38	1.07	0.13	0.11	0.09	0.53	1.15	0.95	0.55	0.15	0.19	0.73	0.36	0.62	0.36	0.88	0.48	1.94	0.36
AGE: Ad																						
1972-73 P-VALUE	0.18	0.00	0.84	0.00	0.00	0.00	0.35	0.00	1.70	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.00	0.83	0.00	0.00	0.00	0.34	0.00	1.64	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
1972-73 DELTA-P		-0.18	0.66	-0.18	-0.18	-0.18	0.17	-0.18	1.52	-0.18	0.50	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	0.28
1972-73 SE OF DP		0.18	0.66	0.18	0.18	0.18	0.17	0.18	1.67	0.18	0.69	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.28
RESPONSE: 01 AGE: 17 TEXT: Agree																						
1972-73 P-VALUE	19.25	13.78	26.64	21.00	16.90	18.84	19.60	14.56	43.45	32.98	35.92	34.52	20.04	11.34	31.56	23.09	30.18	7.75	29.14	18.15	16.33	19.39
1972-73 SE OF P-VAL	1.24	2.39	2.02	2.77	1.81	1.73	1.38	1.04	2.79	5.20	4.93	3.19	2.16	1.31	4.61	5.71	2.88	1.59	4.96	3.29	2.74	1.75
1972-73 DELTA-P		-5.47#	7.39#	1.75	-2.35	-0.41	0.35	-4.69#	24.20#	13.73#	16.67#	15.27#	0.79	-7.91#	12.31#	3.84	10.93#	-11.50#	9.89*	-1.10	-2.92	0.14
1972-73 SE OF DP		1.92	1.98	2.18	1.80	0.98	0.84	0.74	2.51	5.16	4.62	2.80	1.70	1.25	4.35	5.36	2.68	1.84	4.57	3.04	2.62	1.55
AGE: Ad																						
1972-73 P-VALUE	16.40	13.90	22.02	15.49	15.18	15.64	17.11	13.78	32.80	23.48	23.63	24.04	13.82	5.24	39.05	21.15	23.87	6.76	14.68	16.72	14.82	17.64
1972-73 SE OF P-VAL	1.00	1.89	1.98	2.44	1.62	1.26	1.28	1.03	3.97	4.21	2.13	2.68	1.75	1.08	8.39	3.55	2.88	2.42	4.17	2.66	2.55	1.72
1972-73 DELTA-P		-2.50	5.62#	-0.91	-1.22	-0.76	0.71	-2.62#	16.40#	7.08	7.23#	7.64#	-2.58	-11.16#	22.65#	4.75	7.47#	-9.64#	-1.72	0.32	-1.58	1.24
1972-73 SE OF DP		1.67	1.85	1.92	1.50	0.83	0.77	0.53	3.67	4.09	1.99	2.28	1.32	1.36	8.04	3.47	2.78	2.46	3.88	2.45	2.42	1.27
RESPONSE: 02* AGE: 17 TEXT: Disagree																						
1972-73 P-VALUE	71.99	76.67	66.26	71.72	71.99	71.84	72.12	77.05	47.46	53.86	49.37	58.59	70.97	80.56	59.76	70.41	61.43	81.59	59.96	73.88	73.26	72.72
1972-73 SE OF P-VAL	1.29	2.52	2.74	2.74	1.82	1.85	1.33	1.14	3.24	5.27	5.09	3.69	1.85	1.48	5.05	5.69	3.62	2.67	5.29	3.57	3.90	1.75
1972-73 DELTA-P		4.68*	-5.73*	-0.27	0.00	-0.15	0.13	5.06#	-24.53#	-18.13#	-22.62#	-13.40#	-1.02	8.57#	-12.23#	-1.58	-10.56#	9.60#	-12.03*	1.89	1.27	0.73
1972-73 SE OF DP		2.10	2.49	2.19	1.84	1.00	0.85	0.82	2.90	5.17	4.68	3.23	1.65	1.28	4.58	5.39	3.33	2.71	5.03	3.30	3.68	1.66
AGE: Ad																						
1972-73 P-VALUE	75.02	78.98	67.91	76.96	74.92	77.27	72.93	79.59	49.84	57.25	63.62	65.85	79.17	90.26	44.94	69.48	65. 2	86.92	78.95	76.08	77.39	72.56
1972-73 SE OF P-VAL	1.01	2.17	2.24	2.11	1.80	1.39	1.44	0.97	4.16	6.81	2.51	2.82	1.84	1.38	8.81	3.40	3 7	2.83	4.01	2.93	3.69	1.26
1972-73 DELTA-P		3.96*	-7.11#	1.94	-0.10	2.25*	-2.09*	4.57#	-25.18#	-17.77#	-11.40#	-9.17#	4.15*	15.24#	-30.08#	-5.54	-9 0#	11.90#	3.93	1.06	2.37	-2.46*
1972-73 SE OF DP		1.86	2.03	1.74	1.61	1.03	0.97	0.67	3.96	6.70	2.21	2.42	1.73	1.55	8.61	3.34	3 19	2.74	3.70	2.68	3.42	1.76

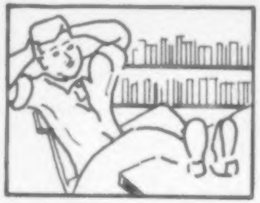
* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Could the person or persons in each picture on this and the following page be doing scientific work?



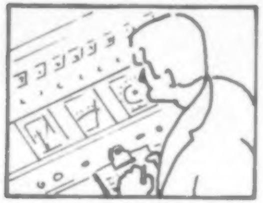
● Yes
○ No

○ I don't know.



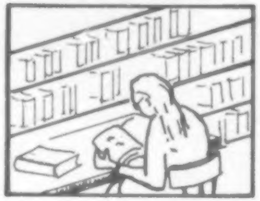
● Yes
○ No

○ I don't know.



● Yes
○ No

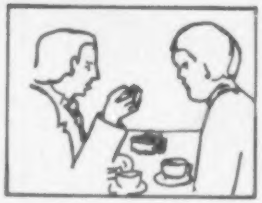
○ I don't know.



● Yes
○ No

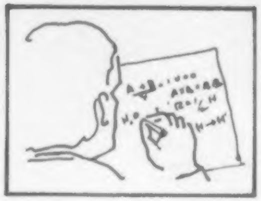
○ I don't know.

(Continued)



● Yes
○ No

○ I don't know.



● Yes
○ No

○ I don't know.

1.0
2.8
2.5
3.2
2.2
3.6
4.0
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1.1
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1.25
1.4
1.6

MICROCOPY RESOLUTION TEST CHART

NATIONAL BUREAU OF STANDARDS-1963-A

NAEP #: 303072-12

72-73 Report #: RU275

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: C. Appreciate the scientific enterprise.

Science Type: Unclassified

Exercise Type: Multiple part multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	04-03	08-27
72-73 National P-val:		
RU275-1	96.90	98.06
RU275-2	3.90	24.66
RU275-3	86.20	93.39
RU275-4	63.13	83.98
RU275-5	17.67	35.83
RU275-6	70.26	86.43
Timing: (in seconds)		
Stimulus:	15	16
Response:	93	65
RU275 Exercise total:	108	81

EXERCISE: 303072-12 R0275

Could the person or persons in each picture be doing scientific work?

Picture 1. A woman using chemical equipment.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.25	0.22	0.55	0.00	0.29	0.38	0.13	0.10	1.07	0.31	0.00	0.37	0.34	0.08	0.36	0.69	1.31	0.00	0.00	0.00	0.00	0.29
1972-73 SE OF P-VAL	0.09	0.17	0.29	0.00	0.23	0.17	0.07	0.07	0.48	0.30	0.00	0.37	0.25	0.08	0.17	0.24	0.88	0.00	0.00	0.00	0.00	0.18
1972-73 DELTA-P		-0.03	0.30	-0.25#	0.04	0.13	-0.12	-0.15	0.82*	0.06	-0.25#	0.12	0.09	-0.17*	0.11	0.43	1.06	-0.25#	-0.25#	-0.25#	-0.25#	0.04
1972-73 SE OF DP		0.15	0.24	0.09	0.19	0.09	0.09	0.08	0.41	0.30	0.09	0.38	0.20	0.08	0.13	0.24	0.82	0.09	0.09	0.09	0.09	0.13
AGE: 13																						
1972-73 P-VALUE	1.13	0.17	0.05	0.00	4.32	0.94	1.33	0.65	0.79	6.89	2.69	0.14	1.48	0.64	1.65	0.00	13.82	0.00	0.00	0.00	0.10	0.28
1972-73 SE OF P-VAL	0.98	0.12	0.05	0.00	3.89	0.88	1.08	0.56	0.75	5.59	2.64	0.15	1.28	0.65	1.15	0.00	12.19	0.00	0.00	0.00	0.10	[illegible]
1972-73 DELTA-P		-0.96	-1.08	-1.13	3.19	-0.19	0.20	-0.48	-0.34	5.76	1.56	-0.99	0.35	-0.49	0.52	-1.13	12.69	-1.13	-1.13	-1.13	-1.03	-0.85
1972-73 SE OF DP		0.98	0.98	0.98	2.92	0.12	0.13	0.42	0.29	4.63	1.68	0.98	0.33	0.34	0.30	0.98	11.24	0.98	0.98	0.98	0.98	0.99
RESPONSE: 01* AGE: 9 TEXT: Yes																						
1972-73 P-VALUE	96.90	97.99	95.97	97.78	95.63	96.05	97.71	98.40	90.61	92.11	96.79	95.13	97.25	97.73	96.25	92.22	91.47	99.71	96.54	98.90	98.02	97.01
1972-73 SE OF P-VAL	0.47	0.60	1.01	0.68	1.32	0.69	0.42	0.47	1.50	2.49	1.26	1.84	0.79	0.77	0.64	2.35	2.42	0.27	1.03	0.56	0.81	1.00
1972-73 DELTA-P		1.09	-0.93	0.88	-1.27	-0.85#	0.81#	1.50#	-6.29#	-4.79*	-0.11	-1.77	0.35	0.83	-0.65	-4.68*	-5.43*	2.81#	-0.36	2.00#	1.12	0.13
1972-73 SE OF DP		0.62	0.88	0.63	1.07	[illegible]	0.32	0.32	1.40	2.38	1.17	1.84	0.73	0.54	0.41	2.24	2.38	0.54	1.03	0.68	0.76	0.72
AGE: 13																						
1972-73 P-VALUE	98.06	99.36	98.72	99.46	94.70	98.45	97.66	98.75	98.08	90.62	96.65	97.89	98.03	98.97	96.40	98.37	85.23	100.00	99.82	100.00	98.91	98.42
1972-73 SE OF P-VAL	0.99	0.42	0.53	0.24	3.89	0.92	1.12	0.59	0.94	5.62	2.67	1.37	1.31	0.67	1.35	0.76	12.07	0.00	0.19	0.00	0.59	0.52
1972-73 DELTA-P		1.30	0.66	1.40	-3.36	0.39	-0.40	0.69	0.02	-7.44	-1.41	-0.17	-0.03	0.91*	-1.66*	0.31	-12.83	1.94	1.76	1.94	0.85	0.36
1972-73 SE OF DP		1.04	1.06	1.01	2.92	0.23	0.24	0.44	0.54	4.68	1.76	1.59	0.43	[illegible]	0.72	1.21	11.15	0.99	1.00	0.99	1.11	1.06
RESPONSE: 02 AGE: 9 TEXT: No																						
1972-73 P-VALUE	1.78	1.56	1.42	1.32	2.94	2.47	1.12	1.05	4.89	3.94	1.18	3.50	2.00	1.79	1.52	3.75	5.78	0.00	1.63	1.10	0.71	1.86
1972-73 SE OF P-VAL	0.38	0.45	0.89	0.45	1.34	0.57	0.30	0.43	1.07	1.76	0.73	1.72	0.58	0.78	0.43	1.43	1.85	0.00	0.75	0.56	0.46	[illegible]
1972-73 DELTA-P		-0.22	-0.36	-0.46	1.16	0.69#	-0.66#	-0.73#	3.11#	2.16	-0.60	1.72	0.22	0.01	-0.26	1.97	4.00*	-1.78#	-0.15	-0.68	-1.07*	0.08
1972-73 SE OF DP		0.50	0.52	0.48	1.04	0.25	0.24	0.21	1.01	1.68	0.73	1.70	0.62	0.49	0.31	1.38	1.81	0.39	0.78	0.62	0.53	0.65
AGE: 13																						
1972-73 P-VALUE	0.56	0.18	1.17	0.39	0.48	0.34	0.78	0.47	1.00	0.76	0.41	1.98	0.20	0.25	1.33	1.21	0.95	0.00	0.00	0.00	0.58	0.90
1972-73 SE OF P-VAL	0.16	0.18	0.53	0.18	0.22	0.15	0.30	0.18	0.50	0.54	0.42	1.37	0.20	0.12	0.48	0.62	0.65	0.00	0.00	0.00	0.29	0.45
1972-73 DELTA-P		-0.38	0.61	-0.17	-0.08	-0.22	0.22	-0.09	0.44	0.20	-0.15	1.42	-0.36	-0.31	0.77	0.65	0.39	-0.56#	-0.56#	-0.56#	0.02	0.34
1972-73 SE OF DP		0.21	0.50	0.20	0.23	0.17	0.17	0.09	0.46	0.53	0.43	1.27	0.21	0.16	0.44	0.59	0.63	0.16	0.16	0.16	0.28	0.33
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.07	0.23	2.06	0.89	1.14	1.10	1.04	0.45	3.42	3.64	2.03	1.00	0.41	0.40	1.87	3.36	1.43	0.28	1.83	0.00	1.27	0.82
1972-73 SE OF P-VAL	0.21	0.14	0.63	0.41	0.32	0.32	0.25	0.13	1.01	1.09	0.82	0.59	0.24	0.21	0.43	1.25	1.25	0.27	0.65	0.00	0.62	0.28
1972-73 DELTA-P		-0.84#	0.99	-0.18	0.07	0.03	-0.03	-0.62#	2.35#	2.57*	0.96	-0.07	-0.66#	-0.67#	0.80#	2.29	0.36	-0.79#	0.76	-1.07#	0.20	-0.25
1972-73 SE OF DP		0.22	0.51	0.34	0.31	0.21	0.20	0.18	0.87	1.03	0.77	0.59	0.24	0.25	0.27	1.17	1.16	0.31	0.62	0.21	0.57	0.25
AGE: 13																						
1972-73 P-VALUE	0.25	0.29	0.06	0.15	0.50	0.27	0.23	0.13	0.13	1.74	0.25	0.00	0.29	0.13	0.63	0.42	0.00	0.00	0.18	0.00	0.41	0.41
1972-73 SE OF P-VAL	0.11	0.30	0.07	0.16	0.28	0.16	0.14	0.09	0.13	1.11	0.25	0.00	0.21	0.13	0.46	0.45	0.00	0.00	0.19	0.00	0.41	0.23
1972-73 DELTA-P		0.04	-0.19	-0.10	0.25	0.02	-0.02	-0.12	-0.12	1.49	0.00	-0.25*	0.04	-0.12	0.38	0.17	-0.25*	-0.25*	-0.07	-0.25*	0.16	0.16
1972-73 SE OF DP		0.24	0.12	0.15	0.22	0.11	0.11	0.09	0.16	1.03	0.26	0.11	0.18	0.12	0.40	0.42	0.11	0.11	0.20	0.11	0.35	0.18

EXERCISE: 303072-12 R0275

Picture 2. A man thinking with his feet propped up on a desk in the library.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	2.02	2.94	2.76	0.81	1.84	2.33	1.63	1.04	7.40	2.21	1.05	0.64	1.27	0.96	3.61	2.40	6.10	1.12	5.22	0.38	1.44	1.34
1972-73 SE OF P-VAL	0.36	0.97	0.85	0.39	0.58	0.53	0.40	0.31	1.51	1.26	0.46	0.64	0.52	0.39	0.73	1.13	1.89	0.70	1.64	0.37	0.84	0.44
1972-73 DELTA-P		0.92	0.74	-1.21#	-0.18	0.31	-0.39	-0.98#	5.38#	0.19	-0.97	-1.38	-0.75	-1.06#	1.59#	0.38	4.08*	-0.90	3.20*	-1.64#	-0.58	-0.68
1972-73 SE OF DP		0.79	0.71	0.43	0.55	0.31	0.29	0.28	1.34	1.22	[illegible]	0.73	0.52	0.35	0.46	1.09	1.77	0.67	1.47	0.48	0.79	0.45

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303072-12 80275

Could the person or persons in each picture be doing scientific work?

Picture 2. A man thinking with his feet propped up on a desk in the library.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.79	0.58	1.43	0.37	4.78	1.92	1.66	1.16	2.57	7.18	5.89	0.57	1.86	1.22	2.07	0.09	14.53	0.00	0.99	0.85	0.60	1.22
1972-73 SE OF P-VAL	0.98	0.29	0.68	0.29	3.80	0.91	1.08	0.56	1.08	5.57	3.20	0.45	1.30	0.69	1.04	0.09	12.14	0.00	0.62	0.48	0.39	0.61
1972-73 DELTA-P		-1.21	-0.36	-1.42	2.99	0.13	-0.13	-0.63	0.78	5.39	4.10	-1.22	0.07	-0.57	0.28	-1.70	12.74	-1.79	-0.80	-0.94	-1.19	-0.57
1972-73 SE OF DP		1.00	1.09	0.99	2.86	0.22	0.22	0.44	0.63	4.64	2.81	1.01	0.43	0.39	0.42	0.98	11.22	0.99	1.09	1.16	1.03	1.06

RESPONSE: 01 AGE: 9 TEXT: Yes

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.90	3.43	5.05	3.38	3.87	3.91	3.89	3.04	7.00	7.84	5.23	4.60	3.13	3.75	4.18	7.78	7.37	1.11	4.71	1.75	2.30	4.52
1972-73 SE OF P-VAL	0.45	0.55	1.30	0.78	0.82	0.59	0.60	0.41	1.52	2.56	2.06	2.12	0.65	0.80	0.65	1.76	2.30	0.60	0.83	0.61	1.03	0.92
1972-73 DELTA-P		-0.47	1.15	-0.52	-0.03	0.01	-0.01	-0.86#	3.10*	3.94	1.33	0.70	-0.77	-0.15	0.28	3.88*	3.47	-2.79#	0.81	-2.15#	-1.60	0.62
1972-73 SE OF DP		0.60	1.05	0.67	0.75	0.40	0.38	0.28	1.29	2.50	1.94	2.09	0.70	0.60	0.42	1.70	2.21	0.64	0.94	0.68	1.01	0.67

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	24.66	26.84	21.42	26.69	23.69	21.36	28.02	28.43	8.54	11.56	13.24	17.42	23.07	32.26	16.27	23.23	9.01	32.09	15.23	27.24	23.65	28.78
1972-73 SE OF P-VAL	1.24	2.32	2.36	2.62	2.35	1.64	1.43	1.43	1.51	[illegible]	2.77	2.67	2.18	1.90	1.69	4.32	1.66	4.13	2.59	2.85	2.51	1.30
1972-73 DELTA-P		2.18	-3.24	2.03	-0.97	-3.30#	3.36#	3.77#	-16.12#	-13.10#	-11.42#	-7.24#	-1.59	7.60#	-8.39#	-1.43	-15.65#	7.43	-9.43#	2.58	-1.01	4.12#
1972-73 SE OF DP		2.08	2.03	2.19	2.08	0.92	0.94	0.54	1.86	[illegible]	2.83	2.39	1.72	1.20	1.89	4.12	1.81	3.82	2.78	2.70	2.26	1.57

RESPONSE: 02 AGE: 9 TEXT: No

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	91.24	91.13	88.98	93.42	90.92	90.89	91.57	93.76	80.60	83.35	90.15	93.23	94.44	93.08	87.86	84.35	83.08	95.91	85.86	95.11	94.92	91.44
1972-73 SE OF P-VAL	0.66	1.41	1.54	1.06	1.30	0.88	0.86	0.63	1.91	3.48	2.61	2.35	0.97	1.01	1.14	3.45	3.73	1.30	2.16	1.12	1.08	1.09
1972-73 DELTA-P		-0.11	-2.26	2.18*	-0.32	-0.35	0.33	2.52#	-10.64#	-7.89*	-1.09	1.99	3.20#	1.84*	-3.38#	-6.89*	-8.16*	4.67#	-5.38#	3.89*	3.68#	0.20
1972-73 SE OF DP		1.22	1.30	0.95	1.16	0.58	0.55	0.49	1.74	[illegible]	2.41	2.41	0.97	0.85	0.77	3.27	3.64	1.30	2.09	1.25	[illegible]	0.91

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	70.11	69.69	74.19	68.27	68.37	72.33	67.25	66.74	85.65	79.92	79.48	80.52	70.92	62.56	79.12	73.98	75.29	63.83	78.59	67.11	71.04	67.93
1972-73 SE OF P-VAL	1.51	1.95	1.94	2.80	4.50	1.80	1.66	1.46	2.15	5.92	4.47	2.70	2.46	1.82	2.10	3.87	12.03	3.97	2.77	3.36	2.71	1.76
1972-73 DELTA-P		-0.42	4.08*	-1.84	-1.74	2.82#	-2.86#	-3.37#	15.54#	9.81	9.37*	10.41#	0.81	-7.55#	9.01#	3.87	5.18	-6.28	8.48#	-3.00	0.93	-2.18
1972-73 SE OF DP		2.02	1.95	2.44	3.51	0.87	0.87	0.73	2.21	5.06	4.19	2.55	1.65	1.16	1.91	3.42	11.09	3.80	2.96	3.03	2.56	1.78

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.84	2.50	3.20	2.39	3.38	2.77	2.90	2.16	5.00	6.60	3.57	1.54	1.17	2.21	4.35	5.48	3.44	1.87	4.21	2.75	1.34	2.70
1972-73 SE OF P-VAL	0.33	0.31	0.76	0.59	0.62	0.48	0.48	0.34	0.99	2.04	1.66	0.71	0.41	0.48	0.62	1.95	1.43	0.81	1.20	1.80	0.62	0.58
1972-73 DELTA-P		-0.34	0.36	-0.45	0.54	-0.07	0.06	-0.68#	2.16*	3.76	0.73	-1.30	-1.67#	-0.63	1.51#	2.64	0.60	-0.97	1.37	-0.09	-1.50*	-0.14
1972-73 SE OF DP		0.61	0.65	0.51	0.56	0.36	0.34	0.20	0.92	1.91	1.63	0.76	0.35	0.41	0.43	1.83	1.39	0.78	1.12	0.87	0.60	0.44

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.45	2.89	2.97	4.68	3.16	3.81	3.09	3.68	3.25	1.35	1.79	1.51	4.16	3.96	2.54	2.70	1.18	4.09	5.20	4.62	4.71	2.08
1972-73 SE OF P-VAL	0.53	0.75	1.16	1.12	1.10	0.66	0.71	0.62	0.82	0.70	1.10	0.71	1.02	0.84	0.87	1.38	0.40	1.20	0.90	1.79	1.51	0.58
1972-73 DELTA-P		-0.56	-0.48	1.23	-0.29	0.36	-0.36	0.23	-0.20	-2.10*	-1.66	-1.94*	0.71	0.51	-0.91	-0.75	-2.27#	0.64	1.75*	1.17	1.26	-1.37*
1972-73 SE OF DP		0.76	0.98	0.93	0.94	0.44	0.44	0.15	0.73	0.91	1.15	0.86	0.76	0.59	0.81	1.35	0.58	1.16	0.82	1.88	1.28	0.68

EXERCISE: 303072-12 80275

Picture 3. A man using electronic equipment.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.21	3.09	3.11	1.03	1.88	2.95	1.50	1.26	6.23	5.20	3.65	1.28	1.47	1.17	3.41	2.40	4.48	1.78	6.18	0.23	1.50	1.77
1972-73 SE OF P-VAL	0.45	1.41	0.89	0.51	0.61	0.64	0.51	0.32	1.54	2.41	1.66	1.05	0.54	0.49	0.83	0.79	1.79	1.25	2.63	0.23	0.87	0.51
1972-73 DELTA-P		0.88	0.90	-1.18*	-0.33	0.74*	-0.71*	-0.95#	4.02#	2.99	1.44	-0.93	-0.74	-1.04*	1.20*	0.19	2.27	-0.43	3.97	-1.98#	-0.71	-0.44
1972-73 SE OF DP		1.12	0.79	0.56	0.64	0.36	0.35	0.34	1.24	2.19	1.46	1.09	0.51	0.47	0.52	0.86	1.66	1.10	2.34	0.50	0.87	0.55

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.46	0.22	0.61	0.08	4.94	1.36	1.57	0.94	1.53	6.89	3.99	0.00	1.60	1.06	1.96	0.00	14.09	0.31	0.00	0.31	0.79	0.66
1972-73 SE OF P-VAL	0.96	0.16	0.39	0.08	3.81	0.86	1.09	0.55	0.90	5.58	2.91	0.00	1.29	0.70	1.04	0.00	12.16	0.31	0.00	0.31	0.62	0.38
1972-73 DELTA-P		-1.24	-0.85	-1.38	3.48	-0.10	0.11	-0.52	0.07	5.43	2.53	-1.46	0.14	-0.40	0.50	-1.46	12.63	-1.15	-1.46	-1.15	-0.67	-0.80
1972-73 SE OF DP		0.97	1.00	0.96	2.86	0.16	0.17	0.43	0.46	4.64	2.07	0.96	0.41	0.38	0.38	0.96	11.23	1.00	0.96	1.13	1.11	1.00

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                              NATION |              REGION                |      SEX       |         RACE          |      PARENTAL EDUCATION               |          SIZE-AND-TYPE OF COMMUNITY
                                     | NORTH  SOUTH                       |                |                       |        SOME   GRAD   POST             |EXTREME  LOW    HIGH   MAIN  URBAN  MEDIUM SMALL
                                     | EAST   EAST  CENTRAL  WEST         |  MALE  FEMALE  | WHITE  BLACK   OTHER  | NO HS   HS     HS     HS   UNKNOWN  | RURAL  METRO  METRO BIG CTY FRINGE CITY  PLACES

EXERCISE: 303072-12   80275

Could the person or persons in each picture be doing scientific work?

Picture 1. A man using electronic equipment.

RESPONSE:  01*   AGE:  9        TEXT:  Yes

    1972-73 P-VALUE          86.20    87.12  82.70  89.76  84.37     88.12  84.37    88.77  76.02  76.65    84.55  87.21  87.50  90.26  82.19     84.18  83.29  92.31  76.33  91.32  87.93  85.26
    1972-73 SE OF P-VAL       0.83     1.51   1.79   1.85   1.97      1.24   1.23     0.51   1.92   4.20     2.66   3.09   1.79   1.14   1.54      3.05   1.91   1.92   2.48   2.09   1.75   1.56
    1972-73 DELTA-P                    0.92  -3.50*  3.56* -1.83      1.92* -1.83*    2.57#-10.18# -9.55*   -1.65   1.01   1.30   4.06# -4.01#    -2.02  -2.91   6.11# -9.87#  5.12*  1.73  -0.94
    1972-73 SE OF DP                   1.44   1.56   1.52   1.68      0.65   0.81     0.47   1.78   3.91     2.46   2.99   1.51   1.08   1.03      2.80   1.97   1.84   2.47   2.00   1.74   1.15

                 AGE: 13

    1972-73 P-VALUE          93.39    96.79  94.47  95.50  86.88     94.23  92.54    95.34  87.80  81.97    88.20  94.78  92.64  95.89  89.61     92.48  76.01  97.13  91.86  96.20  95.32  94.62
    1972-73 SE OF P-VAL       1.04     0.87   1.14   1.08   3.66      1.05   1.29     0.71   1.78   5.14     3.72   1.45   1.53   0.88   1.62      1.89  11.07   1.09   2.48   1.34   1.26   0.95
    1972-73 DELTA-P                    3.40#  1.08   2.11  -6.51*     0.84  -0.85     1.95# -5.59#-11.42*   -5.19   1.39  -0.75   2.50# -3.78#    -0.91 -17.38   3.74# -1.53   2.81   1.93   1.23
    1972-73 SE OF DP                   1.19   1.31   1.27   2.79      0.54   0.56     0.48   1.51   4.73     3.04   1.93   0.79   0.60   1.20      1.99  10.22   1.38   2.50   1.67   1.50   1.18

RESPONSE:  02    AGE:  9        TEXT:  No

    1972-73 P-VALUE           8.42     7.23   9.87   7.29   9.57      6.61  10.14     7.22  13.37  12.45     8.62   9.28   9.01   6.29   9.75      8.51   7.06   4.62  14.10   6.17   8.73   9.31
    1972-73 SE OF P-VAL       0.69     0.88   1.48   1.60   1.19      0.87   0.88     0.68   2.00   3.17     2.10   2.66   1.44   0.96   1.15      1.86   1.89   1.17   2.05   1.76   2.08   0.87
    1972-73 DELTA-P                   -1.19   1.45  -1.13   1.15     -1.81#  1.72#   -1.20#  4.95#  4.03     0.20   0.86   0.59  -2.13*  1.33      0.09  -1.36  -3.80#  5.68# -2.25   0.31   0.89
    1972-73 SE OF DP                   0.94   1.26   1.24   1.10      0.57   0.55     0.38   1.72   3.05     2.18   2.61   1.21   0.89   0.79      1.73   1.85   1.10   1.93   1.58   1.85   0.71

                 AGE: 13

    1972-73 P-VALUE           3.91     2.58   3.98   3.69   5.32      3.40   4.43     2.77   8.00   9.19     5.89   3.73   4.57   2.62   5.39      5.74   6.23   2.50   6.43   1.95   3.22   3.74
    1972-73 SE OF P-VAL       0.46     0.69   1.09   0.79   0.98      0.55   0.59     0.46   1.37   2.02     1.80   1.21   0.86   0.51   1.03      1.70   1.87   0.97   1.82   0.69   1.07   0.60
    1972-73 DELTA-P                   -1.33   0.07  -0.22   1.41     -0.51   0.52    -1.14#  4.09#  5.28#    1.98  -0.18   0.66  -1.29#  1.48      1.83   2.32  -1.41   2.52  -1.96# -0.69  -0.17
    1972-73 SE OF DP                   0.67   0.90   0.71   0.83      0.42   0.43     0.28   1.29   1.89     1.67   1.13   0.60   0.44   0.94      1.57   1.78   0.95   1.73   0.76   1.00   0.62

RESPONSE:  09    AGE:  9        TEXT:  I Don't Know.

    1972-73 P-VALUE           3.17     2.57   4.32   1.91   4.19      2.32   3.98     2.76   4.38   5.70     3.18   2.23   2.02   2.28   4.65      4.90   5.17   1.30   3.38   2.28   1.82   3.87
    1972-73 SE OF P-VAL       0.35     0.74   0.55   0.55   0.87      0.47   0.60     0.40   0.96   1.93     1.18   1.31   0.61   0.51   0.65      1.17   1.50   0.56   1.09   0.91   0.49   0.79
    1972-73 DELTA-P                   -0.60   1.15* -1.26*  1.02     -0.85   0.81    -0.41   1.21   2.53     0.01  -0.94  -1.15* -0.89   1.48#     1.73   2.00  -1.87#  0.21  -0.89  -1.35#  0.70
    1972-73 SE OF DP                   0.63   0.53   0.51   0.71      0.43   0.41     0.21   0.93   1.88     1.17   1.29   0.53   0.49   0.45      1.09   1.45   0.54   1.05   0.90   0.52   0.59

                 AGE: 13

    1972-73 P-VALUE           1.24     0.42   0.93   0.73   2.86      1.01   1.47     0.95   2.67   1.96     1.92   1.48   1.19   0.43   3.04      1.78   1.67   0.00   1.70   1.54   0.67   0.92
    1972-73 SE OF P-VAL       0.22     0.23   0.54   0.37   0.56      0.34   0.30     0.24   0.85   0.87     0.94   0.90   0.48   0.28   1.00      0.76   1.03   0.00   0.85   0.83   0.42   0.44
    1972-73 DELTA-P                   -0.82# -0.31  -0.51   1.62#    -0.23   0.23    -0.29*  1.43   0.72     0.68   0.24  -0.05  -0.81#  1.80*     0.54   0.43* -1.24#  0.46   0.30  -0.57  -0.32
    1972-73 SE OF DP                   0.27   0.44   0.34   0.46      0.21   0.24     0.13   0.75   0.90     0.95   0.87   0.33   0.28   0.89      0.72   0.98   0.22   0.83   0.75   0.51   0.37

EXERCISE: 303072-12   80275

Picture 4. A woman reading in the library.

RESPONSE:  00    AGE:  9        TEXT:  No Response.

    1972-73 P-VALUE           2.62     4.10   3.12   1.17   2.41      3.35   1.92     1.56   7.59   4.71     2.22   1.98   1.92   1.30   4.24      2.81   7.32   2.36   5.84   0.61   2.06   1.77
    1972-73 SE OF P-VAL       0.46     1.40   0.91   0.53   0.69      0.73   0.49     0.41   1.30   1.78     1.02   1.25   0.64   0.53   0.84      0.67   2.38   1.84   1.87   0.44   0.96   0.51
    1972-73 DELTA-P                    1.48   0.50  -1.45# -0.21      0.73  -0.70    -1.06#  4.97   2.09    -0.40  -0.64  -0.70  -1.32#  1.62#     0.19   4.70* -0.26   3.22  -2.01# -0.56  -0.85
    1972-73 SE OF DP                   1.11   0.80   0.57   0.68      0.42   0.41     0.33   1.25   1.69     1.04   1.27   0.51   0.45   0.56      0.75   2.22   1.61   1.82   0.60   0.95   0.56

                 AGE: 13

    1972-73 P-VALUE           1.74     0.51   1.03   0.38   5.04      1.75   1.73     1.13   2.17   7.56     5.54   0.28   1.63   1.17   2.61      0.39  14.26   0.31   0.80   0.66   0.78   0.98
    1972-73 SE OF P-VAL       0.99     0.25   0.52   0.29   3.90      0.93   1.09     0.59   1.00   5.56     3.05   0.29   1.28   0.71   1.25      0.32  12.16   0.31   0.42   0.56   0.62   0.48
    1972-73 DELTA-P                   -1.23  -0.71  -1.36   3.30      0.01  -0.01    -0.61  [illegible] 5.82   3.80  -1.46  -0.11  -0.57   0.87     -1.35  12.52  -1.43  -0.94  -1.08  -0.96  -0.76
    1972-73 SE OF DP                   1.01   1.06   1.01   2.93      0.21   0.21     0.43  [illegible] 4.61   2.74   1.07   0.41   0.41   0.58      1.03  11.21   1.03   1.04   1.06   1.13   1.05

RESPONSE:  01*   AGE:  9        TEXT:  Yes

    1972-73 P-VALUE          63.13    62.96  57.12  68.28  62.98     59.74  66.35    66.64  47.45  54.18    51.00  58.98  65.82  68.62  59.20     56.42  56.43  63.83  54.21  70.97  65.56  64.37
    1972-73 SE OF P-VAL       1.20     2.19   2.54   1.90   2.90      1.80   1.51     1.29   2.40   4.67     4.63   7.00   2.08   1.95   2.20      2.91   5.56   4.15   4.94   3.42   2.15   1.98
    1972-73 DELTA-P                   -0.17  -6.01#  5.15# -0.15     -3.39#  3.22#    3.51#-15.68# -8.95*  -12.13# -4.15   2.69   5.49# -3.93*    -6.71* -6.70   0.70  -8.92   7.84*  2.43   1.24
    1972-73 SE OF DP                   1.99   2.18   1.73   2.43      1.17   1.13     0.69   2.28   4.46     4.70   7.04   1.86   1.56   1.67      2.92   5.59   3.99   4.57   3.19   2.21   1.67
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303072-12 R0275

Could the person or persons in each picture be doing scientific work?

Picture 4. A woman reading in the library.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 13 TEXT: Yes																						
1972-73 P-VALUE	83.98	87.92	82.49	87.70	77.83	80.76	87.25	88.96	63.81	64.77	72.37	78.53	86.89	89.59	71.74	80.93	60.99	88.62	85.94	86.38	84.76	86.70
1972-73 SE OF P-VAL	1.20	2.29	1.91	1.86	3.27	1.57	1.48	1.13	3.36	5.44	4.54	3.32	1.64	1.09	2.80	4.02	9.03	2.32	2.48	3.29	2.16	1.55
1972-73 DELTA-P		3.94	-1.49	3.72*	-6.15*	-3.22#	3.27#	4.98#	-20.17#	-19.21#	-11.61#	-5.45	2.91*	5.61#	-12.24#	-3.05	-22.99#	4.64	1.96	2.40	0.78	2.72
1972-73 SE OF DP		2.04	1.80	1.77	2.62	0.97	0.97	0.78	3.34	4.97	4.16	3.25	1.26	0.95	2.34	3.77	8.52	2.34	2.57	3.19	2.13	1.53
RESPONSE: 02 AGE: 9 TEXT: No																						
1972-73 P-VALUE	28.95	29.39	33.34	25.27	28.64	32.11	25.95	26.91	38.79	32.50	40.00	35.21	28.26	27.06	28.66	33.57	32.32	29.57	35.87	21.55	28.21	28.13
1972-73 SE OF P-VAL	1.04	1.82	2.23	1.82	2.40	1.60	1.26	1.14	2.42	2.61	4.45	6.97	1.97	1.90	1.83	3.62	5.03	3.74	3.69	3.14	1.66	1.81
1972-73 DELTA-P		0.44	4.39*	-3.68*	-0.31	3.16#	-3.00#	-2.04#	9.84#	3.55	11.05*	6.26	-0.69	-1.89	-0.29	4.62	3.37	0.62	6.92*	-7.40#	-0.74	-0.82
1972-73 SE OF DP		1.68	1.92	1.56	2.04	1.01	0.99	0.49	2.26	2.56	4.49	7.07	1.73	1.57	1.36	3.53	4.89	3.55	3.44	2.87	1.84	1.52
AGE: 13																						
1972-73 P-VALUE	10.48	8.35	12.39	7.87	13.34	13.73	7.17	6.66	28.30	21.21	11.36	16.17	9.35	6.41	19.87	11.96	20.27	6.49	9.32	10.38	10.18	9.61
1972-73 SE OF P-VAL	0.93	1.97	1.24	1.05	2.75	1.41	1.00	0.68	3.46	4.06	2.95	3.30	1.41	0.81	2.71	2.66	5.75	1.63	2.22	3.01	1.45	0.99
1972-73 DELTA-P		-2.13	1.91	-2.61*	2.86	3.25#	-3.31#	-3.82#	17.82#	10.73#	0.88	5.69	-1.13	-4.07#	9.39#	1.48	9.79	-3.99*	-1.16	-0.10	-0.30	-0.87
1972-73 SE OF DP		1.70	1.28	1.18	2.16	0.83	0.81	0.77	3.05	3.61	2.85	3.15	1.06	0.77	2.23	2.50	5.24	1.76	2.15	2.58	1.45	1.08
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	5.30	3.55	6.42	5.28	5.97	4.79	5.78	4.89	6.17	8.62	6.78	3.83	4.00	3.02	7.90	7.20	3.93	4.24	4.07	6.87	4.17	5.73
1972-73 SE OF P-VAL	0.46	0.58	0.97	1.03	0.88	0.68	0.67	0.49	1.42	2.37	2.09	1.38	1.13	0.72	1.06	2.36	1.49	1.42	1.38	1.48	0.96	0.73
1972-73 DELTA-P		-1.75#	1.12	-0.02	0.67	-0.51	0.48	-0.41	0.87	3.32	1.48	-1.47	-1.30	-2.28#	2.60#	1.90	-1.37	-1.06	-1.23	1.57	-1.13	0.43
1972-73 SE OF DP		0.61	0.84	0.81	0.79	0.50	0.48	0.27	1.29	2.26	2.08	1.36	1.03	0.72	0.86	2.20	1.46	1.35	1.34	1.36	0.98	0.66
AGE: 13																						
1972-73 P-VALUE	3.80	3.22	4.09	4.04	3.79	3.76	3.84	3.25	5.71	6.46	10.74	5.01	2.14	2.83	5.78	6.73	4.49	4.58	3.94	2.59	4.28	2.70
1972-73 SE OF P-VAL	0.47	1.02	0.77	1.16	0.67	0.62	0.58	0.53	1.24	2.27	2.64	1.56	0.48	0.64	1.23	2.07	1.39	1.86	1.60	0.98	1.32	0.55
1972-73 DELTA-P		-0.58	0.29	0.24	-0.01	-0.04	0.04	-0.55*	1.91	2.66	6.94#	1.21	-1.66#	-0.97*	1.98	2.93	0.69	0.78	0.14	-1.21	0.48	-1.10
1972-73 SE OF DP		0.88	0.72	0.92	0.67	0.37	0.38	0.25	1.16	2.19	2.51	1.47	0.52	0.47	1.08	1.93	1.37	1.66	1.48	0.90	1.24	0.59

EXERCISE: 303072-12 R0275

Picture 5. Two men talking over coffee.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.89	3.41	1.03	1.39	1.84	1.96	1.83	1.05	4.63	6.46	2.43	1.81	1.35	0.52	3.26	1.63	6.16	1.45	6.25	0.61	0.62	0.99
1972-73 SE OF P-VAL	0.30	0.94	0.37	0.48	0.54	0.46	0.39	0.26	0.99	1.71	1.05	1.18	0.49	0.20	0.67	0.66	1.95	0.76	1.76	0.44	0.37	0.35
1972-73 DELTA-P		1.52	-0.86*	-0.50	-0.05	0.07	-0.06	-0.84#	2.74#	4.57#	0.54	-0.08	-0.54	-1.37#	1.37#	-0.26	4.27*	-0.44	4.36#	-1.28#	-1.27#	-0.90#
1972-73 SE OF DP		0.76	0.40	0.43	0.49	0.31	0.30	0.21	0.89	1.58	1.03	1.18	0.49	0.29	0.44	0.69	1.86	0.71	1.63	0.50	0.42	0.35
AGE: 13																						
1972-73 P-VALUE	1.71	0.71	0.67	0.19	5.29	1.70	1.72	0.99	1.96	9.06	3.86	2.14	1.56	1.06	2.57	0.18	14.38	0.84	0.53	1.46	0.49	0.59
1972-73 SE OF P-VAL	0.91	0.49	0.44	0.15	3.54	0.76	1.10	0.55	0.91	4.82	2.82	1.72	1.28	0.68	1.25	0.18	12.14	0.79	0.38	1.03	0.34	0.41
1972-73 DELTA-P		-1.00	-1.04	-1.52	3.58	-0.01	0.01	-0.72	0.25	7.35	2.15	0.43	-0.15	-0.65	0.86	-1.53	12.67	-0.87	-1.18	-0.25	-1.22	-1.12
1972-73 SE OF DP		0.98	0.95	0.91	2.66	0.26	0.26	0.38	0.46	3.99	2.00	2.20	0.47	0.34	0.73	0.92	11.30	1.14	0.95	1.65	0.95	0.95
RESPONSE: 01* AGE: 9 TEXT: Yes																						
1972-73 P-VALUE	17.67	15.60	20.17	19.06	15.52	19.06	16.35	16.32	24.61	19.01	18.52	19.64	16.75	18.40	17.20	23.10	23.34	10.81	14.07	19.48	18.67	17.42
1972-73 SE OF P-VAL	0.85	1.45	1.22	2.27	1.29	1.26	1.11	0.99	2.34	3.40	3.70	3.74	2.15	1.44	1.33	1.63	2.21	2.43	2.28	2.55	2.30	1.59
1972-73 DELTA-P		-2.07	2.50*	1.39	-2.15	1.39	-1.32	-1.35#	6.94#	1.34	0.85	1.97	-0.92	0.73	-0.47	5.43#	5.67#	-6.86#	-3.60	1.81	1.00	-0.25
1972-73 SE OF DP		1.37	1.23	1.70	1.25	0.85	0.81	0.43	2.22	3.32	3.55	3.62	1.93	1.26	1.02	1.68	2.15	2.32	2.05	2.30	2.18	1.31
AGE: 13																						
1972-73 P-VALUE	35.83	35.30	36.34	38.94	32.52	33.16	38.54	38.99	25.17	19.98	27.34	33.02	33.57	40.73	32.04	35.05	18.86	43.33	30.06	33.97	34.28	41.28
1972-73 SE OF P-VAL	1.39	2.61	2.90	2.53	3.20	1.90	1.67	1.51	2.80	2.78	4.08	4.01	2.07	2.30	2.95	4.70	3.87	4.43	2.61	3.82	2.91	1.81
1972-73 DELTA-P		-0.53	0.51	3.11	-3.31	-2.67*	2.71*	3.16#	-10.66#	-15.85#	-8.49*	-2.81	-2.26	4.90#	-3.79	-0.78	-16.97#	7.50	-5.77*	-1.86	-1.55	5.45#
1972-73 SE OF DP		2.36	2.48	2.23	2.69	1.11	1.14	0.49	2.75	2.81	3.82	3.89	1.81	1.50	2.74	4.46	3.92	4.11	2.74	3.31	2.66	1.63

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303072-12 RU275

Could the person or persons in each picture be doing scientific work?

Picture 5. Two men talking over coffee.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: 9 TEXT: No																						
1972-73 P-VALUE	76.03	77.09	74.22	75.60	77.31	76.08	75.99	78.36	66.59	67.88	75.25	74.81	79.26	78.38	72.56	68.89	67.10	85.42	74.47	76.96	76.81	76.14
1972-73 SE OF P-VAL	0.89	1.57	1.36	2.13	1.75	1.24	1.28	1.05	2.47	3.98	4.40	4.18	2.06	1.42	1.70	2.30	2.14	2.70	2.96	2.58	2.16	1.79
1972-73 DELTA-P		1.06	-1.81	-0.43	1.28	0.05	-0.04	2.33●	-9.44●	-8.15•	-0.78	-1.22	3.23	2.35	-3.47●	-7.14●	-8.93●	9.39●	-1.56	0.93	0.78	0.11
1972-73 SE OF DP		1.45	1.33	1.64	1.56	0.92	0.87	0.52	2.44	3.80	4.10	4.02	1.94	1.33	1.30	2.43	2.13	2.63	2.67	2.33	2.62	1.54
AGE: 13																						
1972-73 P-VALUE	58.10	59.03	59.24	54.76	59.62	60.65	55.51	55.81	66.57	68.25	65.56	61.72	59.73	54.06	60.79	59.19	62.80	52.03	61.60	59.70	60.97	55.20
1972-73 SE OF P-VAL	1.45	2.38	2.82	2.30	3.85	1.83	1.91	1.44	3.82	4.04	4.42	3.70	2.09	2.22	3.13	2.25	10.49	3.92	3.73	3.54	2.55	2.02
1972-73 DELTA-P		0.93	1.14	-3.34	1.52	2.55•	-2.59•	-2.29●	8.47•	10.15●	7.46	3.62	1.63	-4.04●	2.69	1.09	4.70	-6.07	3.50	1.60	2.87	-2.90
1972-73 SE OF DP		2.26	2.45	2.15	3.09	1.17	1.19	0.60	3.39	3.72	4.04	3.85	1.64	1.42	2.74	2.57	9.81	3.73	3.67	3.15	2.73	1.85
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.40	3.89	4.57	3.94	5.32	2.90	5.82	4.27	4.16	6.64	3.79	3.72	2.63	2.68	6.97	6.37	3.39	2.31	5.19	2.94	3.89	5.44
1972-73 SE OF P-VAL	0.43	0.86	0.85	0.56	1.16	0.55	0.68	0.47	1.13	2.27	1.57	1.73	0.67	0.65	0.90	1.40	1.33	1.01	1.79	0.70	1.07	0.85
1972-73 DELTA-P		-0.51	0.17	-0.46	0.92	-1.50●	1.42●	-0.13	-0.24	2.24	-0.61	-0.68	-1.77●	-1.72●	2.57●	1.97	-1.01	-2.09•	0.79	-1.46•	-0.51	1.04
1972-73 SE OF DP		0.76	0.75	0.56	0.94	0.47	0.44	0.23	1.08	2.13	1.57	1.61	0.67	0.61	0.66	1.31	1.32	1.00	1.63	0.68	1.03	0.68
AGE: 13																						
1972-73 P-VALUE	4.35	4.95	3.74	6.10	2.55	4.48	4.22	4.20	6.30	2.70	3.22	3.11	5.13	4.15	4.59	5.58	3.94	3.79	7.81	4.86	4.26	2.91
1972-73 SE OF P-VAL	0.59	1.31	0.77	1.60	0.67	0.79	0.65	0.66	1.21	0.89	1.45	1.19	0.97	0.80	0.90	3.41	1.46	1.17	1.74	1.70	0.76	0.64
1972-73 DELTA-P		0.60	-0.61	1.75	-1.80•	0.13	-0.13	-0.15	1.95	-1.65	-1.13	-1.24	0.78	-0.20	0.24	1.23	-0.41	-0.56	3.46•	0.51	-0.09	-1.44•
1972-73 SE OF DP		1.13	0.80	1.24	0.75	0.42	0.43	0.20	1.08	1.00	1.39	1.11	0.68	0.50	0.79	3.13	1.41	1.23	1.63	1.47	0.81	0.64

EXERCISE: 303072-12 RU275

Picture 6. A man writing equations.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.65	2.83	1.62	0.82	1.51	1.44	1.85	0.59	5.84	5.64	3.00	3.72	1.35	0.46	2.38	2.25	5.99	0.16	5.81	0.23	0.09	1.14
1972-73 SE OF P-VAL	0.35	1.18	0.57	0.34	0.55	0.37	0.61	0.17	1.67	1.64	1.05	1.99	0.51	0.21	0.78	0.74	1.80	0.16	2.46	0.23	0.09	0.39
1972-73 DELTA-P		1.18	-0.03	-0.83•	-0.14	-0.21	0.20	-1.06●	4.19●	3.99●	1.35	2.07	-0.30	-1.19●	0.73	0.60	4.34•	-1.49●	4.16	-1.42●	-1.56●	-0.51
1972-73 SE OF DP		0.93	0.54	0.41	0.53	0.38	0.36	0.32	1.39	1.55	1.06	1.93	0.51	0.35	0.51	0.78	1.74	0.38	2.21	0.42	0.36	0.40
AGE: 13																						
1972-73 P-VALUE	1.37	0.07	0.49	0.00	4.92	1.46	1.28	0.72	1.13	8.77	3.60	1.86	1.60	0.64	1.68	0.09	13.82	0.00	0.00	0.95	0.10	0.58
1972-73 SE OF P-VAL	0.92	0.07	0.26	0.00	3.63	0.79	1.08	0.56	0.78	4.83	2.74	1.68	1.29	0.65	1.15	0.09	12.18	0.00	0.00	0.96	0.10	0.30
1972-73 DELTA-P		-1.30	-0.88	-1.37	3.55	0.09	-0.09	-0.65	-0.24	7.40	2.23	0.49	0.23	-0.73•	0.31	-1.28	12.45	-1.37	-1.37	-0.41	-1.27	-0.79
1972-73 SE OF DP		0.92	0.93	0.92	2.72	0.23	0.23	0.37	0.31	3.97	1.88	2.20	0.43	0.30	0.37	0.92	11.31	0.92	0.92	1.54	0.92	0.94
RESPONSE: 01• AGE: 9 TEXT: Yes																						
1972-73 P-VALUE	70.26	71.96	66.70	74.14	67.29	71.21	69.36	71.54	64.51	67.06	64.96	65.86	69.79	74.89	67.89	58.92	69.51	77.64	63.63	76.57	72.01	69.16
1972-73 SE OF P-VAL	1.23	2.48	3.19	1.94	2.12	1.62	[illegible]	1.43	2.60	4.62	4.46	5.30	2.57	1.66	1.84	1.93	4.28	2.99	3.40	3.04	1.61	1.93
1972-73 DELTA-P		1.70	-3.56	3.88•	-2.97	0.95	-0.90	1.28•	-5.75•	-3.20	-5.30	-4.40	-0.47	4.63●	-2.37	-11.34●	-0.75	7.38•	-6.63•	6.31•	1.75	-1.10
1972-73 SE OF DP		2.16	2.60	1.79	1.97	0.94	0.88	0.57	2.51	4.48	4.35	4.88	2.09	1.47	1.41	2.03	4.03	2.96	3.21	2.78	3.22	1.53
AGE: 13																						
1972-73 P-VALUE	86.43	90.13	83.35	88.70	83.63	86.66	86.19	89.27	76.58	72.71	71.43	82.08	86.57	93.31	76.67	84.86	66.68	92.27	85.21	90.72	91.18	85.42
1972-73 SE OF P-VAL	1.29	1.26	2.71	2.10	3.54	1.21	1.74	1.18	3.27	4.92	3.27	3.99	1.85	1.16	2.75	3.67	10.65	1.76	2.84	1.56	1.47	2.13
1972-73 DELTA-P		3.70•	-3.08	2.27	-2.80	0.23	-0.24	2.84●	-9.85●	-13.72●	-15.00●	-4.35	0.14	6.88●	-9.76●	-1.57	-19.75	5.84●	-1.22	4.29•	4.75●	-1.01
1972-73 SE OF DP		1.57	2.31	1.94	2.81	0.75	0.76	0.67	2.77	4.40	2.72	3.97	1.41	1.09	2.28	3.65	9.90	2.10	2.79	2.06	1.57	1.86
RESPONSE: 02 AGE: 9 TEXT: No																						
1972-73 P-VALUE	24.20	22.81	27.05	21.74	25.79	24.28	24.12	24.36	24.62	21.14	26.78	29.52	25.73	22.17	24.07	33.98	20.47	19.84	25.43	20.46	25.36	24.73
1972-73 SE OF P-VAL	1.15	2.41	2.97	2.05	1.63	1.40	1.32	1.38	2.23	3.97	4.54	4.92	2.62	1.58	1.69	2.81	3.18	3.00	4.12	3.16	3.55	1.72
1972-73 DELTA-P		-1.39	2.85	-2.46	1.59	0.08	-0.08	0.16	0.42	-3.06	2.58	5.32	1.53	-2.03	-0.13	9.78●	-3.73	-4.36	1.23	-3.74	1.16	0.53
1972-73 SE OF DP		2.09	2.44	1.77	1.65	0.75	0.71	0.49	2.30	3.86	[illegible]	4.58	2.18	1.45	1.22	2.77	3.04	2.92	3.84	2.75	3.20	1.49

• The absolute value of this number is greater than 2.0 times its standard error.
● The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303072-12 R0275

Could the person or persons in each picture be doing scientific work?

Picture 3. A man writing equations

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 02 AGE: 13 TEXT: No																						
1972-73 P-VALUE	11.12	9.61	14.86	9.98	10.00	10.64	11.61	8.93	21.74	16.56	21.45	14.26	[illegible]	5.48	19.77	13.28	19.24	7.73	13.02	7.54	8.33	12.28
1972-73 SE OF P-VAL	0.92	1.31	2.37	1.84	1.54	0.89	1.34	[illegible]	2.95	3.33	2.41	4.03	[illegible]	0.86	2.58	3.66	4.60	1.76	2.50	1.29	1.29	2.00
1972-73 DELTA-P		-1.51	3.74	-1.14	-1.12	-0.48	[illegible]	[illegible]	10.62#	5.44	10.33#	3.14	0.10	-5.64#	8.65#	2.16	0.12	-3.39	1.30	-3.58#	-2.79*	1.16
1972-73 SE OF DP		1.32	[illegible]	1.56	1.42	0.65	[illegible]	[illegible]	2.61	3.23	2.25	3.78	1.32	0.95	2.26	3.61	4.28	1.89	2.35	1.40	1.23	1.60
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.89	2.40	4.62	3.30	5.41	3.06	4.67	[illegible]	5.03	6.16	5.25	6.90	3.13	2.49	5.67	4.85	4.03	2.36	5.13	2.45	2.54	4.97
1972-73 SE OF P-VAL	0.39	0.65	0.61	0.71	0.98	0.58	0.60	[illegible]	0.80	1.85	1.89	0.68	0.86	0.45	0.85	1.25	1.10	0.84	1.48	1.13	0.88	0.81
1972-73 DELTA-P		-1.49*	0.73	-0.59	1.52	-0.83	0.78	-0.38*	1.14	2.27	1.36	-2.99#	-0.76	-1.40#	1.78#	0.96	0.14	-1.53	1.24	-1.44	-1.35	1.08
1972-73 SE OF DP		0.60	0.59	0.61	0.79	0.45	0.42	0.18	0.80	1.80	1.87	0.80	0.75	0.55	0.60	1.23	1.16	0.86	1.43	1.06	0.95	0.62
AGE: 13																						
1972-73 P-VALUE	1.08	0.18	1.29	1.32	1.46	1.24	0.92	1.08	0.54	1.96	3.52	1.80	0.61	0.56	1.88	1.77	0.26	0.00	1.77	0.79	0.39	1.73
1972-73 SE OF P-VAL	0.24	0.15	0.51	0.46	0.64	0.36	0.32	0.28	0.30	0.97	1.57	0.76	0.31	0.38	0.61	1.08	0.26	0.00	1.09	0.64	0.36	0.51
1972-73 DELTA-P		-0.90#	0.21	0.24	0.38	0.16	0.16	0.00	-0.54	0.88	2.44	0.72	-0.47	-0.52	0.80	0.69	-0.82*	-1.08#	0.69	-0.29	-0.69	0.65
1972-73 SE OF DP		0.27	0.43	0.40	0.51	0.24	0.25	0.10	0.36	0.91	1.50	0.76	0.28	0.32	0.51	1.01	0.34	0.24	1.02	0.60	0.38	0.42

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Do you think that all scientists wear uniforms?

○ Yes

● No

○ I don't know.

NAEP #: 303085-1

72-73 Report #: RU245
69-70 Report #: U684

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: C. Appreciate the scientific enterprise.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	05-34
69-70 Package-Exercise:	04-16

72-73 National P-val:
RU245 68.68
69-70 National P-value:
RU245 62.46

Timing: (in seconds)
Stimulus: 6
Response: 9
I don't know: 4
Pause: 6
RU245 Exercise total: 25

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303085-1     N0245                                                                                                            N0245  303085-1

                             NATION |           REGION            |      SEX       |        RACE          |           PARENTAL EDUCATION            |            SIZE-AND-TYPE OF COMMUNITY
                                    | NORTH   SOUTH               |                |                OTHER |         SOME    GRAD    POST            |EXTREME  LOW     HIGH    MAIN    URBAN   MEDIUM  SMALL
                             ------ |  EAST    EAST CENTRAL  WEST |  MALE  FEMALE  | WHITE  BLACK   RACE  | NO HS    HS      HS      HS    UNKNOWN  | RURAL   METRO   METRO   BIG CTY FRINGE  CITY    PLACES

EXERCISE: 303085-1     N0245

*  Do you think that all scientists wear uniforms?

RESPONSE:  00    AGE:  9          TEXT:  No Response.

    1972-73 P-VALUE           0.18    0.10   0.24   0.13   0.25    0.20   0.16    0.11   0.46   0.35     0.55   0.00   0.50   0.00   0.15     0.30   0.36   0.00   0.00   0.00   0.00   0.36
    1969-70 P-VALUE           0.09    0.06   0.11   0.18   0.00    0.07   0.11    0.00   0.30   0.84     0.33   0.39   0.00   0.05   0.11     0.26   0.43   0.00   0.27   0.00   0.00   0.00
    CHANGE P-VALUE            0.09    0.04   0.13  -0.05   0.25    0.13   0.05    0.11   0.16  -0.49     0.22  -0.39   0.50  -0.05   0.04     0.04  -0.05   0.00  -0.27   0.00   0.00   0.36

    1972-73 SE OF P-VAL       0.09    0.10   0.24   0.13   0.19    0.14   0.10    0.08   0.34   0.34     0.54   0.00   0.36   0.00   0.11     0.30   0.39   0.00   0.00   0.00   0.00   0.23
    1969-70 SE OF P-VAL       0.03    0.06   0.11   0.06   0.00    0.05   0.03    0.00   0.21   0.65     0.34   0.41   0.00   0.06   0.11     0.27   0.31   0.00   0.27   0.00   0.00   0.00
    SE OF CHANGE P-VALUE      0.09    0.12   0.26   0.14   0.19    0.15   0.10    0.08   0.40   0.73     0.64   0.41   0.36   0.06   0.16     0.40   0.50   0.00   0.27   0.00   0.00   0.23

    1972-73 DELTA-P                  -0.08   0.06  -0.05   0.07    0.02  -0.02   -0.07   0.28   0.17     0.37  -0.18*  0.32  -0.18* -0.03     0.12   0.20  -0.18* -0.18* -0.18* -0.18*  0.18
    1969-70 DELTA-P                  -0.03   0.02   0.09  -0.09#  -0.02   0.02   -0.09#  0.21   0.75     0.24   0.30  -0.09# -0.04   0.02     0.17   0.34  -0.09#  0.18  -0.09# -0.09# -0.09#
    CHANGE DELTA-P                   -0.05   0.04  -0.14   0.16    0.04  -0.04    0.02   0.07  -0.58     0.13  -0.48   0.41  -0.14  -0.05    -0.05  -0.14  -0.09  -0.36  -0.09  -0.09   0.27

    1972-73 SE OF DP                  0.11   0.19   0.13   0.16    0.09   0.09    0.06   0.30   0.32     0.52   0.09   0.29   0.09   0.10     0.29   0.37   0.09   0.09   0.09   0.09   0.16
    1969-70 SE OF DP                  0.05   0.09   0.05   0.03    0.03   0.03    0.03   0.21   0.63     0.32   0.38   0.03   0.08   0.10     0.25   0.32   0.03   0.26   0.03   0.03   0.03
    SE OF CHANGE DELTA-P              0.12   0.21   0.14   0.16    0.09   0.09    0.07   0.37   0.71     0.61   0.39   0.29   0.12   0.14     0.38   0.49   0.09   0.28   0.09   0.09   0.16

RESPONSE:  01    AGE:  9          TEXT:  Yes

    1972-73 P-VALUE          28.28   26.36  31.00  27.54  28.20   27.80  28.76   25.36  41.23  31.61    42.07  23.72  31.74  23.58  29.33    35.39  46.26  20.05  29.94  21.93  23.34  28.19
    1969-70 P-VALUE          34.42   29.16  45.21  35.36  30.29   34.11  34.75   31.50  46.01  46.67    44.27  38.54  40.08  28.27  35.18    43.53  45.82  17.51  30.23  31.53  30.37  38.50
    CHANGE P-VALUE           -6.14#  -2.80 -14.21# -7.82* -2.09   -6.31# -5.99*  -6.14# -4.78 -15.06#   -2.20 -14.82* -8.34* -4.69  -5.85    -8.14   0.44   2.54  -0.29  -9.60* -7.03 -10.31#

    1972-73 SE OF P-VAL       1.43    3.84   2.06   3.00   2.25    1.87   1.83    1.63   2.63   3.94     5.42   4.91   2.81   1.75   2.09     3.97   3.79   4.57   2.62   2.22   2.08   2.30
    1969-70 SE OF P-VAL       1.41    3.47   2.56   2.33   2.45    1.58   2.24    1.65   3.38   3.65     6.49   5.04   2.80   1.97   2.26     2.50   3.58   2.72   3.73   3.58   4.24   2.50
    SE OF CHANGE P-VALUE      2.01    5.18   3.29   3.80   3.33    2.45   2.89    2.32   4.28   5.37     8.46   7.04   3.97   2.64   3.08     4.69   5.21   5.32   4.56   4.21   4.72   3.40

    1972-73 DELTA-P                  -1.92   2.72  -0.74  -0.08   -0.48   0.48   -2.92# 12.95#  3.33    13.79# -4.56   3.46  -4.70#  1.05     7.11  17.98# -8.23*  1.66  -6.35# -4.94* -0.09
    1969-70 DELTA-P                  -5.26  10.79#  0.94  -4.13   -0.31   0.33   -2.92# 11.59# 12.25#    9.85   4.12   5.66* -6.15#  0.76     9.11# 11.40#-16.91# -4.19  -2.89  -4.05   4.08
    CHANGE DELTA-P                    3.34  -8.07# -1.68   4.05   -0.17   0.15    0.00   1.36  -8.92     3.94  -8.68  -2.20   1.45   0.29    -2.00   6.58   8.68   5.85  -3.46  -0.89  -4.17

    1972-73 SE OF DP                  3.10   2.06   2.54   2.13    1.17   1.17    0.69   2.61   3.68     5.10   4.40   2.28   1.46   1.60     3.90   3.75   3.88   2.21   2.14   2.34   2.08
    1969-70 SE OF DP                  2.80   2.43   2.06   2.24    1.36   1.32    0.72   3.39   3.61     6.29   4.95   2.41   1.48   1.80     2.81   3.69   2.86   3.61   3.41   3.78   2.06
    SE OF CHANGE DELTA-P              4.18   3.19   3.27   3.09    1.79   1.76    1.00   4.28   5.16     8.10   6.62   3.32   2.08   2.41     4.81   5.26   4.82   4.23   4.03   4.45   2.93

RESPONSE:  02*   AGE:  9          TEXT:  No

    1972-73 P-VALUE          68.68   70.67  65.02  69.88  69.13   69.13  68.23   72.07  54.56  62.87    55.15  74.59  65.43  74.56  66.34    60.98  50.89  77.95  66.39  77.07  73.42  68.14
    1969-70 P-VALUE          62.46   67.19  53.65  60.76  66.53   63.02  61.97   65.54  50.86  48.10    53.49  53.53  57.99  69.87  60.19    52.96  52.39  77.73  68.20  65.94  66.45  57.74
    CHANGE P-VALUE            6.22#   3.48  11.37#  9.12*  2.60    6.11*  6.26*   6.53#  3.70  14.77#    1.66  21.06#  7.44   4.69   6.15*    8.02  -1.50   0.22  -1.81  11.13*  6.97  10.40#

    1972-73 SE OF P-VAL       1.55    4.20   2.01   3.22   2.57    1.95   1.97    1.77   2.60   4.21     5.62   5.23   2.93   1.84   2.19     4.69   3.78   5.11   3.00   2.28   2.26   2.35
    1969-70 SE OF P-VAL       1.38    2.84   2.65   2.66   2.54    1.51   2.25    1.63   3.43   3.84     6.26   6.11   2.87   2.18   1.97     3.35   3.73   3.76   3.93   4.25   3.77   2.53
    SE OF CHANGE P-VALUE      2.08    5.07   3.33   4.18   3.61    2.47   2.99    2.41   4.30   5.70     8.41   8.04   4.10   2.85   2.95     5.76   5.31   6.34   4.94   4.82   4.40   3.45

    1972-73 DELTA-P                   1.99  -3.66   1.20   0.45    0.45  -0.45    3.39#-14.12# -5.81   -13.53#  5.91  -3.25   5.88# -2.34    -7.70 -17.79#  9.27* -2.29   8.39#  4.74  -0.54
    1969-70 DELTA-P                   4.73  -8.81# -1.70   4.07    0.56  -0.49    3.06#-11.60#-14.36#   -8.97  -8.93  -4.47   7.41# -2.27    -9.50#-10.07# 15.27#  5.74   3.48   3.99  -4.72*
    CHANGE DELTA-P                   -2.74   5.15   2.90  -3.62   -0.11   0.04    0.31  -2.52   8.55    -4.56  14.84   1.22  -1.53  -0.07     1.80  -7.72  -6.00  -8.03   4.91   0.75   4.18

    1972-73 SE OF DP                  3.38   2.13   2.73   2.37    1.20   1.20    0.68   2.74   3.90     5.25   4.71   2.28   1.48   1.69     4.59   3.77   4.38   2.61   2.12   2.45   2.15
    1969-70 SE OF DP                  2.43   2.48   2.18   2.27    1.36   1.32    0.78   3.43   3.79     6.13   5.89   2.54   1.54   1.71     3.50   3.86   3.89   3.79   4.00   3.41   2.02
    SE OF CHANGE DELTA-P              4.16   3.27   3.49   3.28    1.81   1.78    1.00   4.39   5.44     8.07   7.54   3.41   2.14   2.40     5.77   5.40   5.86   4.60   4.53   4.20   2.95
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303085-1 RU245

Do you think that all scientists wear uniforms?

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.86	2.87	3.74	2.45	2.41	2.87	2.85	2.46	3.74	5.16	2.23	1.70	2.34	1.86	4.18	3.32	2.46	2.00	3.67	1.01	3.24	3.31
1969-70 P-VALUE	3.02	3.58	1.03	3.68	3.17	2.78	3.17	2.95	[illegible]	4.38	1.90	7.53	1.93	1.80	4.51	3.23	1.35	4.75	1.29	2.52	3.17	3.76
CHANGE P-VALUE	-0.16	-0.71	2.71*	-1.23	-0.76	0.09	-0.32	-0.49	0.93	0.78	0.33	[illegible]	0.41	0.06	-0.33	0.09	1.11	-2.75	2.38	-1.51	0.07	-0.45
1972-73 SE OF P-VAL	0.44	0.75	1.23	0.81	0.60	0.62	0.51	0.54	1.05	1.95	1.06	1.30	[illegible]	0.66	0.73	0.99	1.16	0.75	1.23	0.49	1.28	0.99
1969-70 SE OF P-VAL	0.50	1.11	0.39	1.14	0.79	[illegible]	0.66	0.61	0.75	1.78	1.32	[illegible]	0.59	0.51	[illegible]	2.02	0.87	[illegible]	0.62	1.24	1.06	1.04
SE OF CHANGE P-VALUE	0.67	1.34	1.29	1.40	0.99	0.89	0.83	0.81	1.29	2.64	1.69	3.60	0.98	0.83	1.40	2.25	1.45	2.92	1.38	1.33	1.66	1.44
1972-73 DELTA-P		0.01	0.88	-0.41	-0.45	0.01	-0.01	-0.40	0.88	2.30	-0.63	-1.16	-0.52	-1.00	1.32*	0.46	-0.40	-0.86	0.81	-1.85*	0.38	0.45
1969-70 DELTA-P		0.56	-1.99#	0.66	0.15	-0.24	0.15	-0.07	-0.21	1.36	-1.12	4.51	-1.09	-1.22#	1.49	0.21	-1.67	1.73	-1.73*	-0.50	0.15	0.74
CHANGE DELTA-P		-0.55	2.87#	-1.07	-0.60	0.25	-0.16	-0.33	1.09	0.94	0.49	-5.67	0.57	0.22	-0.17	0.25	1.27	-2.59	2.54	-1.35	0.23	-0.29
1972-73 SE OF DP		[illegible]	0.96	0.71	0.60	0.36	0.36	0.27	1.00	1.93	1.05	1.29	0.63	0.52	0.55	1.04	1.11	0.80	1.13	0.74	1.17	0.72
1969-70 SE OF DP		0.92	0.58	0.86	0.75	0.42	0.42	0.20	0.85	1.75	1.36	3.23	0.70	0.48	[illegible]	1.94	0.93	2.64	0.74	1.21	1.02	0.80
SE OF CHANGE DELTA-P		1.15	1.14	1.12	0.96	0.55	0.55	0.34	1.31	2.61	1.72	3.48	0.94	0.71	1.00	2.20	1.45	2.76	1.35	1.42	1.55	1.08

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Do you think that breaking a mirror brings bad luck?

○ Yes

● No

○ I don't know.

NAEP #: 303087-1

72-73 Report #: RU246
69-70 Report #: U682

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: C. Appreciate the scientific enterprise.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	06-01
69-70 Package-Exercise:	06-17
72-73 National P-val:	
RU246	70.30
69-70 National P-value:	
RU246	72.01

Timing: (in seconds)

	Stimulus:	5
	Response:	15
	I don't know:	5
	Pause:	5
RU246	Exercise total:	30

EXERCISE: 303087-1 RU246

Do you think that breaking a mirror brings bad luck?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.19	0.00	0.36	0.00	0.50	0.04	0.35	0.08	0.74	0.26	0.00	0.36	0.20	0.34	0.08	0.00	0.62	0.00	0.00	0.37	0.00	0.31
1969-70 P-VALUE	0.44	0.58	1.36	0.00	0.04	0.28	0.60	0.07	2.59	1.08	2.54	0.00	0.55	0.00	0.67	0.26	4.92	0.40	0.00	0.08	0.47	0.00
CHANGE P-VALUE	-0.25	-0.58	-1.00	0.00	0.46	-0.24	-0.25	0.01	-1.85	-0.82	-2.54	0.36	-0.35	0.34	-0.59	-0.26	-4.30	-0.40	0.00	0.29	-0.47	0.31
1972-73 SE OF P-VAL	0.08	0.00	0.22	0.00	0.26	0.04	0.15	0.06	0.39	0.26	0.00	0.36	0.20	0.18	0.08	0.00	0.45	0.00	0.00	0.35	0.00	0.16
1969-70 SE OF P-VAL	0.25	0.42	1.08	0.00	0.04	0.21	0.34	0.10	1.81	1.06	1.53	0.00	0.47	0.00	0.43	0.26	3.47	0.56	0.00	0.08	0.50	0.00
SE OF CHANGE P-VALUE	0.26	0.42	1.10	0.00	0.26	0.21	0.37	0.12	1.85	1.09	1.53	0.36	0.51	0.18	0.44	0.26	3.50	0.56	0.00	0.36	0.50	0.16
1972-73 DELTA-P		-0.19*	0.17	-0.19*	0.31	-0.15	0.16*	-0.11	0.55	0.07	-0.19*	0.17	0.01	0.15	-0.11	-0.19*	0.43	-0.19*	-0.19*	0.18	-0.19*	0.12
1969-70 DELTA-P		0.14	0.92	-0.44	-0.40	-0.16	0.16	-0.37	2.15	0.64	2.10	-0.44	0.11	-0.44	0.23	-0.18	4.48	-0.04	-0.44	-0.36	0.03	-0.44
CHANGE DELTA-P		-0.33	-0.75	0.25	0.71*	0.01	0.00	0.26	-1.60	-0.57	-2.29	0.61	-0.10	0.59*	-0.34	-0.01	-4.05	-0.15	0.25	0.54	-0.22	0.56*
1972-73 SE OF DP		0.08	0.17	0.08	0.22	0.08	0.08	0.06	0.33	0.25	0.08	0.35	0.17	0.14	0.09	0.08	0.42	0.08	0.08	0.32	0.08	0.13
1969-70 SE OF DP		0.39	0.86	0.25	0.25	0.12	0.13	0.23	1.60	1.02	1.38	0.25	0.31	0.25	0.24	0.34	3.26	0.53	0.25	0.25	0.51	0.25
SE OF CHANGE DELTA-P		0.40	0.88	0.26	0.33	0.14	0.15	0.24	1.63	1.05	1.38	0.43	0.35	0.29	0.26	0.35	3.29	0.54	0.26	0.41	0.52	0.28
RESPONSE: 01 AGE: 9 TEXT: Yes																						
1972-73 P-VALUE	26.10	22.10	34.40	22.50	26.37	24.14	28.12	21.73	46.18	31.58	35.58	29.48	24.87	19.34	30.19	38.21	42.10	14.57	25.54	19.95	24.87	25.69
1969-70 P-VALUE	25.63	21.85	31.54	24.37	25.81	23.92	27.42	21.67	43.51	43.90	43.44	31.32	27.16	17.06	31.40	26.91	58.43	14.13	30.01	28.59	15.25	25.30
CHANGE P-VALUE	0.47	0.25	2.86	-1.87	0.56	0.22	0.70	0.06	2.67	-12.32	-7.86	-1.84	-2.31	2.28	-1.21	11.30*	-16.33*	0.44	-4.47	-8.64	9.62	0.39
1972-73 SE OF P-VAL	1.37	1.62	2.95	2.91	2.97	1.70	1.89	1.27	2.83	3.97	5.35	4.41	1.97	1.72	1.75	2.17	4.50	3.02	2.47	2.22	3.01	2.27
1969-70 SE OF P-VAL	1.38	2.71	3.92	2.27	2.67	1.72	1.75	1.50	4.25	4.79	5.43	5.64	2.37	1.72	2.61	4.05	5.04	2.43	3.59	4.55	4.52	1.99
SE OF CHANGE P-VALUE	1.94	3.16	4.91	3.69	3.99	2.42	2.58	1.97	5.11	6.22	7.62	7.16	3.08	2.43	3.14	4.59	6.76	3.88	4.36	5.06	5.44	3.02
1972-73 DELTA-P		-4.00*	8.30#	-3.60	0.27	-1.96	2.02	-4.37#	20.08#	5.48	9.48	3.38	-1.23	-6.76#	4.09#	12.11#	16.00#	-11.53#	-0.56	-6.15#	-1.23	-0.41
1969-70 DELTA-P		-3.78	5.91	-1.26	0.18	-1.71	1.79	-3.96#	17.88#	18.27#	17.81#	5.69	1.55	-8.57#	5.77#	1.28	32.80#	-11.50#	4.38	2.96	-10.38*	-0.33
CHANGE DELTA-P		-0.22	2.39	-2.34	0.09	-0.25	0.23	-0.41	2.20	-12.79*	-8.33	-2.31	-2.78	1.81	-1.68	10.83*	-16.80#	-0.03	-4.94	-9.11	9.15	-0.08
1972-73 SE OF DP		1.75	2.49	2.33	2.66	1.15	1.17	0.79	2.43	3.77	4.93	3.88	1.71	1.28	1.10	2.53	4.09	2.70	2.27	2.26	2.73	1.74
1969-70 SE OF DP		2.40	3.35	2.00	2.39	1.05	1.09	0.74	3.95	4.75	5.61	5.31	2.49	1.22	1.91	3.95	5.14	2.54	3.55	4.15	4.21	1.83
SE OF CHANGE DELTA-P		2.97	4.17	3.07	3.58	1.56	1.60	1.08	4.64	6.06	7.47	6.58	3.02	1.77	2.20	4.69	6.57	3.71	4.21	4.73	5.02	2.53
RESPONSE: 02* AGE: 9 TEXT: No																						
1972-73 P-VALUE	70.30	74.30	61.48	74.56	69.74	72.70	67.83	74.82	49.99	63.56	63.38	70.16	71.96	77.28	65.05	58.66	55.64	80.04	70.47	78.24	70.70	70.78
1969-70 P-VALUE	72.01	74.55	65.25	75.03	71.58	74.39	69.53	76.45	51.00	53.59	49.79	66.63	71.49	81.37	65.15	70.62	34.50	83.34	67.68	70.20	82.13	72.90
CHANGE P-VALUE	-1.71	-0.25	-3.77	-0.47	-1.84	-1.69	-1.70	-1.63	-1.01	9.97	13.59	3.53	0.47	-4.09	-0.10	-11.96*	21.14#	-3.30	2.79	8.04	-11.43*	-2.12
1972-73 SE OF P-VAL	1.38	1.58	3.28	2.78	2.65	1.69	1.93	1.28	2.85	3.10	5.36	4.44	2.10	1.89	1.77	2.76	4.45	3.07	2.91	2.01	2.78	2.35
1969-70 SE OF P-VAL	1.43	2.88	4.09	2.23	2.92	1.87	1.83	1.50	4.63	5.09	5.47	5.52	2.46	1.68	2.81	4.88	3.72	2.35	3.81	4.44	4.54	1.93
SE OF CHANGE P-VALUE	1.99	3.28	5.24	3.56	3.94	2.52	2.66	1.97	5.44	5.96	7.66	7.08	3.23	2.53	3.32	5.61	5.80	3.87	4.79	4.87	5.32	3.04
1972-73 DELTA-P		4.00*	-8.82#	4.26	-0.56	2.40*	-2.47*	4.52#	-20.31#	-6.74*	-6.92	-0.14	1.66	6.98#	-5.25#	-11.64#	-16.66#	9.74#	0.17	7.94#	0.40	0.48
1969-70 DELTA-P		2.54	-6.76	3.02	-0.43	2.38*	-2.48*	4.44#	-21.01#	-18.42#	-22.22#	-5.38	-0.52	9.36#	-6.86#	-1.39	-37.51#	11.33#	-4.33	-1.81	10.12*	0.89
CHANGE DELTA-P		1.46	-2.06	1.24	-0.13	0.02	0.01	0.08	0.70	11.68*	15.30*	5.24	2.18	-2.38	1.61	-10.25	22.85#	-1.59	4.50	9.75*	-9.72	-0.41
1972-73 SE OF DP		1.73	2.69	2.25	2.45	1.16	1.18	0.76	2.47	3.12	4.94	3.92	1.79	1.50	1.15	2.93	4.13	2.67	2.63	2.15	2.54	1.73
1969-70 SE OF DP		2.52	3.50	2.04	2.57	1.15	1.20	0.80	4.24	4.94	5.55	5.20	2.59	1.28	2.04	4.60	3.96	2.51	3.74	4.06	4.20	1.86
SE OF CHANGE DELTA-P		3.06	4.41	3.04	3.55	1.63	1.68	1.10	4.91	5.84	7.43	6.51	3.15	1.97	2.34	5.45	5.72	3.66	4.57	4.59	4.91	2.54

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303087-1 RU246

Do you think that breaking a mirror brings bad luck?

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.41	3.61	3.76	2.94	3.40	3.13	3.70	3.37	3.09	4.59	1.04	0.00	2.96	3.04	4.68	3.13	1.64	5.39	4.60	1.43	4.43	3.23
1969-70 P-VALUE	1.92	3.03	1.85	0.60	2.57	1.41	2.45	1.81	2.90	1.44	4.22	2.04	0.77	1.57	2.79	2.22	2.15	2.13	2.31	1.14	2.15	1.80
CHANGE P-VALUE	1.49#	0.58	1.91	2.34#	0.83	1.72*	1.25	1.56#	0.19	3.15	-3.18	-2.04	2.19*	1.47	1.89	0.91	-0.51	3.26	1.69	0.29	2.28	1.43
1972-73 SE OF P-VAL	0.45	1.02	0.84	0.67	1.08	0.50	0.62	0.47	0.90	2.24	0.63	0.00	0.89	0.70	0.70	1.52	0.71	1.59	1.66	0.65	1.03	0.70
1969-70 SE OF P-VAL	0.35	1.11	0.63	0.29	0.69	0.42	0.55	0.39	1.03	0.98	2.18	1.85	0.41	0.46	0.67	1.48	1.18	1.26	1.03	0.68	1.03	0.45
SE OF CHANGE P-VALUE	0.57	1.51	1.05	0.73	1.28	0.72	0.83	0.61	1.37	2.44	2.27	1.85	0.98	0.84	0.97	2.12	1.38	2.03	1.95	0.94	1.46	0.83
1972-73 DELTA-P		0.20	0.35	-0.47	-0.01	-0.28	0.29	-0.04	-0.32	1.18	-2.37#	-3.41#	-0.45	-0.37	1.27#	-0.28	-1.77*	1.98	0.59	-1.98#	1.02	-0.18
1969-70 DELTA-P		1.11	-0.07	-1.32#	0.65	-0.51	0.53	-0.11	0.98	-0.88	2.30	0.12	-1.15#	-0.35	0.87	0.30	0.23	0.21	0.39	-0.78	0.23	-0.12
CHANGE DELTA-P		-0.91	0.42	0.85	-0.66	0.23	-0.24	0.07	-1.30	1.66	-4.67*	-3.53	0.70	-0.02	0.40	-0.58	-2.00	1.77	0.20	-1.20	0.79	-0.06
1972-73 SE OF DP		0.83	0.75	0.62	0.94	0.39	0.40	0.26	0.81	2.02	0.76	0.45	0.70	0.58	0.46	1.43	0.82	1.46	1.48	0.72	0.95	0.59
1969-70 SE OF DP		0.88	0.59	0.39	0.60	0.33	0.35	0.16	0.96	0.97	2.11	1.80	0.41	0.38	0.45	1.38	1.16	1.10	0.96	0.67	0.96	0.42
SE OF CHANGE DELTA-P		1.21	0.95	0.73	1.12	0.51	0.53	0.31	1.26	2.24	2.24	1.86	0.81	0.69	0.64	1.99	1.42	1.83	1.76	0.98	1.35	0.72

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Most scientists today are working on space projects.

○ I believe this statement.

● I don't believe this statement.

○ I don't know.

NAEP #: 303089-2

72-73 Report #: R0247
69-70 Report #: 0773

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: C. Appreciate the scientific enterprise.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

	13
Age:	
72-73 Package-Exercise:	04-25
69-70 Package-Exercise:	01-0
72-73 National P-val:	
R0247	44.83
69-70 National P-value:	
R0247	37.86

Timing: (in seconds)

	Stimulus:	7
	Response:	13
	I don't know:	5
	Pause:	6
R0247	Exercise total:	31

EXERCISE: 303089-2 BU247

Most scientists today are working on space projects.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	1.93	0.21	0.17	0.00	7.24	2.41	1.42	1.29	2.40	6.84	3.69	0.00	1.98	1.37	3.36	0.48	13.64	0.00	0.00	4.62	0.00	0.00
1969-70 P-VALUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANGE P-VALUE	1.93	0.21	0.17	0.00	7.24	2.41	1.42	1.29	2.40	6,84	3.69	0.00	1.98	1.37	3.36	0.48	13.64	0.00	0.00	4.62	0.00	0.00
1972-73 SE OF P-VAL	1.30	0.16	0.17	0.00	5.10	1.68	0.90	0.89	2.13	6.66	3.25	0.00	1.38	1.29	2.43	0.33	11.29	0.00	0.00	4.30	0.00	0.00
1969-70 SE OF P-VAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE P-VALUE	1.30	0.16	0.17	0.00	5.10	1.68	0.90	0.89	2.13	6.65	3.25	0.00	1.38	1.29	2.43	0.33	11.29	0.00	0.00	4.30	0.00	0.00
1972-73 DELTA-P		-1.72	-1.76	-1.93	5.31	0.48	-0.51	-0.64	0.47	4.91	1.76	-1.93	0.05	-0.56	1.43	-1.45	11.71	-1.93	-1.93	2.69	-1.93	-1.93
1969-70 DELTA-P		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANGE DELTA-P		-1.72	-1.76	-1.93	5.31	0.48	-0.51	-0.64	0.47	4.94	1.76	-1.93	0.05	-0.56	1.43	-1.45	11.71	-1.93	-1.93	2.69	-1.93	-1.93
1972-73 SE OF DP		1.30	1.31	1.30	3.81	0.40	0.43	0.53	1.59	5.76	2.32	1.30	0.29	1.06	1.30	1.33	10.16	1.30	1.30	3.60	1.30	1.30
1969-70 SE OF DP		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE DELTA-P		1.30	1.31	1.30	3.81	0.40	0.43	0.53	1.59	5.76	2.32	1.30	0.29	1.06	1.30	1.33	10.16	1.30	1.30	3.60	1.30	1.30
RESPONSE: 01 AGE: 13	TEXT: I believe this statement.																					
1972-73 P-VALUE	49.16	41.94	62.63	44.15	50.66	46.47	52.03	45.12	64.46	63.54	66.71	61.46	52.67	35.82	57.84	56.68	51.94	29.21	52.37	40.40	54.41	51.19
1969-70 P-VALUE	59.25	54.46	71.98	53.25	61.40	56.05	62.62	55.07	74.97	74.52	84.59	71.90	63.25	47.90	71.36	63.67	76.35	46.30	61.62	53.81	61.66	57.43
CHANGE P-VALUE	-10.09#	-12.52#	-9.35#	-9.10*	-10.74*	-9.58#	-10.59#	-9.95#	-10.51#	-10.98	-17.88#	-10.44*	-10.58#	-12.08#	-13.52#	-6.99	-24.41#	-17.03#	-9.25	-13.41*	-7.25	-6.24
1972-73 SE OF P-VAL	1.64	3.33	2.47	3.09	3.67	1.96	2.03	1.94	3.19	5.42	4.15	3.06	2.55	2.11	2.98	3.14	6.77	3.78	5.16	4.58	3.43	3.04
1969-70 SE OF P-VAL	1.47	3.63	2.43	2.67	2.84	2.29	2.01	1.84	2.57	3.51	3.63	3.36	2.43	2.04	3.07	4.97	3.68	4.66	3.46	3.05	4.49	2.98
SE OF CHANGE P-VALUE	2.20	4.93	3.46	4.08	4.64	3.01	2.86	2.67	4.10	6.46	5.51	4.54	3.52	2.93	4.28	5.88	7.71	6.03	6.21	5.50	5.65	4.26
1972-73 DELTA-P		-7.22#	13.47#	-5.01	1.50	-2.69*	2.87*	-4.04#	15.30#	14.38#	17.55#	12.30#	3.51	-13.34#	8.68#	7.52*	2.78	-19.95#	3.21	-8.76*	5.25	2.03
1969-70 DELTA-P		-4.79	12.73#	-6.00#	2.15	-3.20*	3.37*	-4.18#	15.72#	15.27#	25.34#	12.65#	4.00*	-11.35#	12.11#	4.42	17.10#	-12.95#	2.37	-5.44	2.41	-1.82
CHANGE DELTA-P		-2.43	0.74	0.99	-0.65	0.51	-0.50	0.14	-0.42	-0.89	-7.79	-0.35	-0.49	-1.99	-3.43	3.10	-14.32	-7.00	0.84	-3.32	2.84	3.85
1972-73 SE OF DP		2.88	2.49	2.60	3.04	1.14	1.18	0.90	3.31	5.30	3.71	2.90	1.88	1.51	2.90	3.02	6.41	3.71	4.99	4.24	3.37	2.42
1969-70 SE OF DP		2.93	2.41	2.39	2.49	1.56	1.57	0.89	2.57	3.50	3.80	3.38	1.75	1.52	2.89	4.70	3.69	4.79	3.57	3.03	4.05	2.23
SE OF CHANGE DELTA-P		4.11	3.47	3.53	3.93	1.93	1.96	1.27	4.19	6.35	5.31	4.45	2.57	2.14	4.09	5.59	7.40	6.06	6.14	5.21	5.27	3.29
RESPONSE: 02* AGE: 13	TEXT: I don't believe this statement.																					
1972-73 P-VALUE	44.83	54.17	34.79	49.77	38.41	48.11	41.33	49.73	28.39	24.60	27.70	32.74	42.55	55.31	30.80	41.02	29.65	65.42	42.18	51.55	41.19	44.64
1969-70 P-VALUE	37.86	42.54	25.82	43.26	35.98	41.40	34.20	41.78	23.22	23.24	14.17	26.45	34.20	48.40	26.26	33.49	21.87	51.11	36.13	43.16	35.49	39.15
CHANGE P-VALUE	6.97#	11.63#	8.97#	6.51	2.43	6.71*	7.13#	7.95#	5.17	1.36	13.53#	6.29	8.35*	10.91#	4.54	7.53	7.78	14.31#	6.05	8.39	5.70	5.49
1972-73 SE OF P-VAL	1.57	3.25	2.46	3.25	3.03	1.95	1.84	1.87	2.45	3.41	3.58	2.96	2.41	2.29	3.04	3.05	5.20	3.52	4.69	4.58	3.44	3.03
1969-70 SE OF P-VAL	1.37	3.32	2.45	2.42	2.71	2.12	1.96	1.68	2.49	3.46	3.41	3.27	2.46	1.78	2.88	4.44	3.61	4.08	3.26	3.56	4.00	2.70
SE OF CHANGE P-VALUE	2.08	4.65	3.47	4.05	4.07	2.88	2.69	2.51	3.49	4.86	4.94	4.41	3.44	2.90	4.19	5.39	6.33	5.39	5.71	5.80	5.28	4.06
1972-73 DELTA-P		9.34#	-10.04#	4.94	-6.[illegible]*	3.28#	-3.50#	4.90#	-16.44#	-20.23#	-17.13#	-12.09#	-2.28	14.48#	-14.03#	-3.81	-15.18#	20.59#	-2.65	6.72	-3.64	-0.19
1969-70 DELTA-P		4.68	-12.04#	5.40*	-1.88	3.54*	-3.66*	3.92#	-14.64#	-14.62#	-23.69#	-11.41#	-3.66*	10.54#	-11.60#	-4.37	-15.99#	13.25#	-1.73	5.30	-2.37	1.29
CHANGE DELTA-P		4.66	2.00	-0.46	-4.54	-0.26	0.16	0.98	-1.80	-5.61	6.56	-0.68	1.38	3.94	-2.43	0.56	0.81	7.34	-0.92	1.42	-1.27	-1.48
1972-73 SE OF DP		2.81	2.46	2.65	2.60	1.05	1.09	0.75	2.72	3.70	3.28	2.91	1.87	1.66	3.06	2.87	5.01	3.40	4.63	4.26	3.34	2.36
1969-70 SE OF DP		2.70	2.38	2.18	2.36	1.49	1.50	0.81	2.46	3.38	3.56	3.16	1.77	1.42	2.64	4.20	3.60	4.24	3.35	3.39	3.59	2.03
SE OF CHANGE DELTA-P		3.90	3.42	3.43	3.51	1.82	1.85	1.10	3.67	5.01	4.84	4.30	2.57	2.18	4.04	5.09	6.17	5.43	5.71	5.44	4.90	3.11

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303089-2 NU247

Most scientists today are working on space projects.

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.08	3.68	2.41	6.07	3.69	3.01	5.22	3.87	4.76	5.02	1.90	5.79	2.81	3.50	8.00	1.82	4.77	5.37	5.44	3.43	4.40	4.16
1969-70 P-VALUE	2.88	2.99	2.19	3.48	2.61	2.53	3.17	3.14	1.80	2.24	1.23	1.64	2.54	3.70	2.36	2.83	1.77	2.58	2.25	3.02	2.84	3.41
CHANGE P-VALUE	1.20	0.69	0.22	2.59	1.08	0.48	2.05●	0.73	2.96●	2.78	0.67	4.15●	0.27	-0.20	5.64#	-1.01	3.00	2.79	3.19	0.41	1.56	0.75
1972-73 SE OF P-VAL	0.40	0.56	0.66	0.91	0.88	0.61	0.71	0.48	1.26	1.97	1.00	1.82	0.61	0.60	1.50	0.85	1.81	1.21	1.38	1.02	1.46	0.66
1969-70 SE OF P-VAL	0.47	0.85	0.62	1.28	0.57	0.58	0.62	0.59	0.55	1.43	0.93	0.78	0.75	0.77	1.04	1.44	0.58	1.25	0.80	1.02	1.45	0.90
SE OF CHANGE P-VALUE	0.62	1.02	0.91	1.57	1.05	0.84	0.94	0.76	1.37	2.43	1.37	1.98	0.97	0.98	1.83	1.67	1.90	1.74	1.60	1.44	2.06	1.12
1972-73 DELTA-P		-0.40	-1.67#	1.99#	-0.39	-1.07●	1.14●	-0.21	0.68	0.94	-2.18●	1.71	-1.27●	-0.58	3.92#	-2.26#	0.69	1.29	1.36	-0.65	0.32	0.08
1969-70 DELTA-P		0.11	-0.69	0.60	-0.27	-0.35	0.29	0.26	-1.08	-0.64	-1.65	-1.24	-0.34	0.82	-0.52	-0.05	-1.11	-0.30	-0.63	0.14	-0.04	0.53
CHANGE DELTA-P		-0.51	-0.98	1.39	-0.12	-0.72	0.85	-0.47	1.76	1.58	-0.53	2.95	-0.93	-1.40●	4.44#	-2.21	1.80	1.59	1.99	-0.79	0.36	-0.45
1972-73 SE OF DP		0.56	0.63	0.72	0.73	0.51	0.55	0.26	1.23	1.90	1.07	1.73	0.56	0.51	1.31	0.78	1.75	1.27	1.31	0.90	1.31	0.58
1969-70 SE OF DP		0.75	0.67	0.96	0.62	0.36	0.38	0.18	0.67	1.42	1.00	0.88	0.57	0.48	1.03	1.33	0.70	1.21	0.84	1.02	1.28	0.65
SE OF CHANGE DELTA-P		0.94	0.92	1.20	0.96	0.62	0.67	0.32	1.40	2.37	1.46	1.94	0.80	0.70	1.67	1.54	1.98	1.75	1.56	1.36	1.83	0.87

● The absolute value of this number is greater than 2.0 times its standard error.
The absolute value of this number is greater than 2.5 times its standard error.

A. Have you done science experiments outside of school, such as those suggested in a chemistry or microscope set?

● Often

○ Sometimes

○ Never

B. If so, what experiment have you done most recently?

____

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NAEP #: 303090-2

72-73 Report #: RU258
69-70 Report #: U775

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: C. Appreciate the scientific enterprise.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Group

	13
Age:	13
72-73 Package-Exercise:	07-16
69-70 Package-Exercise:	03-18

72-73 National P-val:

RU258A	5.08
RU258B	34.13

69-70 National P-value:

RU258A	5.31
RU258B	***

Timing: (in seconds)

	Stimulus:	14
	Response:	6
RU258A	Part total:	20
	Stimulus:	11
	Response:	90
RU258B	Part total:	101
RU258	Exercise total:	121

***Acceptable/Unacceptable data is not available at this time.

Exercise 303090-2; RU 258

A. Have you done science experiments outside of school, such as those suggested in a chemistry or microscope set?

B. If so, what experiment have you done most recently?

00 = no response; have done none recently.

Acceptable

10 = Experiments with pure chemicals alone
Made a little fire cracker with a chemistry set.
Mixed iron filings and sulfer.
We have experimented with sulfer.
Saw how sulfer burns.
Burned sugar in a spoon under a candle.
Made hydrogen with zinc and hydrochloric acid.
We did a stick and smoke bomb.

11 = Experiments with chemicals and something else
Rubberized egg with vinegar.
Saw if things are acid or basic.
Put bacon in acid and saw what happened.

12 = Electrical experiments
Tested battery cells.
Electrical conduction of metals.
Hydrolysis of water.

13 = Experiments demonstrating physical principles
I saw if the mass of ice and water were different, just because they have a different volume. It wasn't. Also fooled with the microscope at home.
Found out if salt in water affects its freezing point.
I tried an experiment to show how friction can be reduced.
Made an egg go into a pop bottle by a match.
In chemistry set they gave me a rocket. I filled the rocket with Alka-Seltzer and water. The pressure building inside the rocket made it shoot upward.

14 = Geological, weather or astronomy experiments
Studied the locations of stars at different times of the year.
Looked at the moon and stars and at Jupiter through a telescope.
We did a balloon to see what the temperature would be.
Made erosion happen.

15 = Examination of life forms, examination of non-living things
I examined a sample of blood through a microscope.
I looked at a lot of slides through microscopes. I dissected a few frogs.
Looked at pond water with a microscope.
Looked at what a bee stinger looks like through a microscope.

Put bugs in a box and let them all live together and saw how many babies they had.
Used plaster of paris and made different kinds of fossils.

16 = Experiments on plants and animals
Tested growth of plants in sun and in the dark, with food and without food.
Effect of heat on seeds.
Tested alcoholic effect on chick embryos.

17 = Other acceptable
Did a test about thermal pollution around the city.

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Unacceptable

20 = Vague reference to a science experiment
Rock experiment.
About mice.
I found a fossil once.
The environment.
About one-cell animals.

21 = Other unacceptable
I've mixed milk, marshmallows, cocoa and coconut to see how it tastes - a food experiment.
In school, we went outside of school and searched for many types of insects.
Surveyed Spring Creek Park in science.

39 = I don't know

EXERCISE: 303090-2 BU258

Attitude toward doing science experiments outside of school.

Part A. Have you done science experiments outside of school, such as those suggested in a chemistry or microscope set?

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.10	0.00	0.00	0.24	0.13	0.20	0.00	0.09	0.22	0.00	0.49	0.00	0.00	0.00	0.46	0.61	0.00	0.00	0.31	0.00	0.00	0.00
1969-70 P-VALUE	0.30	0.39	0.64	0.17	0.06	0.40	0.22	0.08	1.28	1.31	-0.01	1.39	0.19	0.04	0.96	0.49	2.45	-0.01	0.26	-0.01	0.41	0.10
CHANGE P-VALUE	-0.20	-0.39	-0.64	0.07	0.07	-0.20	-0.22	0.01	-1.06	-1.31	0.50	-1.39	-0.19	-0.04	-0.50	0.12	-2.45	0.01	0.05	0.01	-0.41	-0.10
1972-73 SE OF P-VAL	0.07	0.00	0.00	0.23	0.13	0.14	0.00	0.08	0.21	0.00	0.49	0.00	0.00	0.00	0.45	0.56	0.00	0.00	0.30	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.12	0.39	0.38	0.05	0.07	0.15	0.15	0.05	0.64	1.32	0.00	0.76	0.12	0.05	0.66	0.44	1.74	0.00	0.27	0.06	0.42	0.11
SE OF CHANGE P-VALUE	0.14	0.39	0.38	0.24	0.15	0.21	0.15	0.09	0.67	1.32	0.49	0.76	0.12	0.05	0.80	0.71	1.74	0.00	0.40	0.06	0.42	0.11
1972-73 DELTA-P		-0.10	-0.10	0.14	0.03	0.10	-0.10	-0.01	0.12	-0.10	0.39	-0.10	-0.10	-0.10	0.36	0.51	-0.10	-0.10	0.21	-0.10	-0.10	-0.10
1969-70 DELTA-P		0.09	0.34	-0.13	-0.24	0.10	-0.08	-0.22*	0.98	1.01	-0.31*	1.09	-0.11	-0.26	0.66	0.19	2.15	-0.31*	-0.04	-0.31*	0.11	-0.20
CHANGE DELTA-P		-0.19	-0.44	0.27	0.27	0.00	-0.02	0.21	-0.86	-1.11	0.70	-1.19	0.01	0.16	-0.30	0.32	-2.25	0.21	0.25	0.21	-0.21	0.10
1972-73 SE OF DP		0.07	0.07	0.17	0.12	0.07	0.07	0.03	0.19	0.07	0.46	0.07	0.07	0.07	0.39	0.50	0.07	0.07	0.28	0.07	0.07	0.07
1969-70 SE OF DP		0.30	0.32	0.13	0.14	0.08	0.08	0.11	0.58	1.22	0.13	0.67	0.10	0.14	0.57	0.42	1.65	0.13	0.28	0.13	0.38	0.14
SE OF CHANGE DELTA-P		0.31	0.33	0.21	0.18	0.11	0.11	0.11	0.61	1.22	0.48	0.67	0.12	0.16	0.69	0.65	1.65	0.15	0.40	0.15	0.39	0.16

RESPONSE: 01* AGE: 13 TEXT: Often

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.08	3.77	5.50	5.88	5.16	7.67	2.53	5.66	2.74	2.78	3.39	2.04	4.86	7.15	2.19	5.16	3.96	5.08	8.22	6.19	6.30	3.11
1969-70 P-VALUE	5.31	7.09	4.67	6.08	2.86	7.64	3.24	5.36	5.47	4.23	1.40	4.36	4.23	6.12	7.24	3.86	7.81	6.38	5.24	5.79	5.11	4.66
CHANGE P-VALUE	-0.23	-3.32*	0.83	-0.20	2.30	0.03	-0.71	0.30	-2.73	-1.45	1.99	-2.32	0.63	1.03	-5.05#	1.30	-3.85	-1.30	2.98	0.40	1.19	-1.55
1972-73 SE OF P-VAL	0.59	0.90	1.72	1.02	0.93	1.03	0.56	0.68	0.76	2.26	1.74	0.95	0.89	1.12	0.78	2.13	1.21	1.27	2.07	1.24	2.11	0.77
1969-70 SE OF P-VAL	0.55	0.98	1.00	1.34	0.83	0.99	0.59	0.61	1.63	1.73	1.42	1.56	0.89	0.99	1.78	1.48	2.93	2.04	1.21	1.41	1.27	0.99
SE OF CHANGE P-VALUE	0.81	1.33	1.99	1.68	1.25	1.43	0.81	0.91	1.80	2.85	2.25	1.83	1.26	1.49	1.94	2.59	3.17	2.40	2.40	1.88	2.46	1.25
1972-73 DELTA-P		-1.31	0.42	0.80	0.08	2.59#	-2.55#	0.58#	-2.34#	-2.30	-1.69	-3.04#	-0.22	2.07#	-2.89#	0.06	-1.12	0.00	3.14	1.11	1.22	-1.97#
1969-70 DELTA-P		1.78	-0.64	0.77	-2.45#	2.33#	-2.07#	0.05	0.16	-1.08	-3.91#	-0.95	-1.06	0.81	1.93	-1.45	2.50	1.07	-0.07	0.48	-0.20	-0.65
CHANGE DELTA-P		-3.09#	1.06	0.03	2.53*	0.26	-0.48	0.53	-2.50	-1.22	2.22	-2.09	0.86	1.26	-4.82*	1.53	-3.62	-1.07	3.21	0.63	1.42	-1.32
1972-73 SE OF DP		0.84	1.40	0.91	0.89	0.58	0.59	0.21	0.80	2.19	1.70	1.02	0.91	0.75	0.87	1.96	1.18	1.29	1.96	1.20	1.83	0.70
1969-70 SE OF DP		0.89	0.95	1.01	0.82	0.63	0.55	0.26	1.48	1.74	1.47	1.54	0.80	0.67	1.73	1.47	2.82	1.80	1.19	1.32	1.24	0.85
SE OF CHANGE DELTA-P		1.22	1.69	1.36	1.21	0.86	0.81	0.33	1.68	2.80	2.25	1.85	1.08	1.01	1.94	2.45	3.06	2.21	2.29	1.78	2.21	1.10

RESPONSE: 02 AGE: 13 TEXT: Sometimes

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	40.71	47.74	39.26	39.70	35.81	45.56	35.95	42.09	36.44	31.79	35.08	33.03	40.45	45.45	34.74	36.15	33.84	51.49	37.67	35.10	44.41	41.58
1969-70 P-VALUE	40.03	40.90	33.86	43.52	40.05	43.30	37.03	41.52	35.58	28.17	27.74	26.14	38.55	46.11	34.22	27.57	34.32	42.52	41.39	37.93	40.94	42.73
CHANGE P-VALUE	0.68	6.84	5.40	-3.82	-4.24	2.26	-1.08	0.57	0.86	3.62	7.34	6.89	1.90	-0.66	0.52	8.58	-0.48	8.97	-3.72	-2.83	3.47	-1.15
1972-73 SE OF P-VAL	1.13	1.90	2.19	2.27	2.23	1.85	1.40	1.26	2.70	3.01	3.92	4.74	1.63	1.56	3.61	2.35	4.91	3.01	3.82	3.33	3.34	2.03
1969-70 SE OF P-VAL	1.47	3.47	2.86	2.83	2.29	1.92	1.95	1.52	4.67	3.69	5.46	3.71	2.27	2.33	3.88	5.01	4.24	3.40	4.05	4.14	3.88	2.42
SE OF CHANGE P-VALUE	1.85	3.96	3.60	3.63	3.20	2.67	2.40	1.97	5.39	4.76	6.72	6.02	2.79	2.80	5.10	5.45	6.49	4.54	5.57	5.31	5.12	3.16
1972-73 DELTA-P		7.03#	-1.45	-1.01	-4.90*	4.85#	-4.76#	1.38#	-4.27	-8.92#	-5.63	-7.68	-0.26	4.74#	-5.97	-4.56*	-6.87	10.78#	-3.04	-5.61	3.70	0.87
1969-70 DELTA-P		0.87	-6.17*	3.49	0.02	3.27*	-3.00#	1.49*	-4.45	-11.86#	-12.29*	-13.89#	-1.48	6.08#	-5.81	-12.46#	-5.71	2.49	1.35	-2.10	0.91	2.70
CHANGE DELTA-P		6.16	4.72	-4.50	-4.92	1.58	-1.76	-0.11	0.18	2.94	6.66	6.21	1.22	-1.34	-0.16	7.90	-1.16	8.29	-4.40	-3.51	2.79	-1.83
1972-73 SE OF DP		1.67	1.98	1.90	1.97	1.19	1.21	0.45	2.59	3.01	3.73	4.48	1.43	1.25	3.14	2.16	4.89	2.87	3.82	3.10	3.04	1.73
1969-70 SE OF DP		2.83	2.68	2.29	2.26	1.32	1.20	0.65	4.18	3.65	5.43	3.66	1.88	1.54	3.72	4.74	4.21	3.15	3.77	3.83	3.55	1.97
SE OF CHANGE DELTA-P		3.29	3.33	2.98	3.00	1.78	1.70	0.79	4.92	4.73	6.59	5.80	2.36	1.98	4.87	5.21	6.45	4.26	5.37	4.93	4.67	2.62

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303090-2 8U258

Attitude toward doing science experiments outside of school.

Part A. Have you done science experiments outside of school, such as those suggested in a chemistry or microscope set?

RESPONSE: 03 AGE: 13 TEXT: Never

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	54.08	48.49	55.25	54.04	58.91	46.50	61.53	52.13	60.61	65.44	60.42	64.94	54.69	47.41	62.62	58.09	62.20	43.08	53.82	58.71	49.29	55.31
1969-70 P-VALUE	54.33	51.58	60.80	50.21	57.00	48.63	59.49	53.02	57.64	66.26	70.64	68.08	57.00	47.71	57.55	68.05	55.39	51.07	53.08	56.26	53.52	52.48
CHANGE P-VALUE	-0.25	-3.09	-5.55	3.83	1.91	-2.13	2.04	-0.89	2.97	-0.82	-10.42	-3.14	-2.31	-0.30	5.07	-9.96	6.81	-7.99	0.74	2.45	-4.23	2.83
1972-73 SE OF P-VAL	1.22	1.82	3.00	2.48	2.27	1.84	1.53	1.29	2.73	4.12	4.08	4.82	1.74	1.92	3.57	3.34	4.45	2.73	4.55	3.15	3.18	1.97
1969-70 SE OF P-VAL	1.62	3.36	3.34	3.16	2.91	2.11	2.05	1.68	5.12	3.53	5.49	4.51	2.22	2.39	3.43	6.30	5.61	3.46	4.28	4.04	4.25	2.66
SE OF CHANGE P-VALUE	2.03	3.82	4.49	4.02	3.69	2.80	2.56	2.12	5.80	5.43	6.84	6.60	2.82	3.07	4.95	7.13	7.16	4.41	6.25	5.12	5.31	3.31
1972-73 DELTA-P		-5.59#	1.17	-0.04	4.83*	-7.58#	7.45#	-1.95#	6.53#	11.36#	6.34	10.86*	0.61	-6.67#	8.54#	4.01	8.12	-11.00#	-0.26	4.63	-4.79	1.23
1969-70 DELTA-P		-2.75	6.47*	-4.12	2.67	-5.70#	5.16#	-1.31	3.31	11.93#	16.51#	13.75#	2.67	-6.62#	3.22	13.72*	1.06	-3.26	-1.25	1.93	-0.81	-1.85
CHANGE DELTA-P		-2.84	-5.30	4.08	2.16	-1.88	2.29	-0.64	3.22	-0.57	-10.17	-2.89	-2.06	-0.05	5.32	-9.71	7.06	-7.74	0.99	2.70	-3.98	3.08
1972-73 SE OF DP		1.76	2.54	2.07	2.03	1.17	1.24	0.47	2.56	4.03	4.11	4.43	1.45	1.50	3.27	3.16	4.57	2.55	4.46	2.88	2.77	1.67
1969-70 SE OF DP		2.84	3.06	2.54	2.70	1.43	1.25	0.70	4.61	3.52	5.39	4.37	1.77	1.52	3.27	5.89	5.44	3.27	4.64	3.87	3.79	2.08
SE OF CHANGE DELTA-P		3.34	3.98	3.28	3.38	1.85	1.76	0.84	5.27	5.35	6.74	6.22	2.29	2.14	4.62	6.68	7.10	4.15	6.03	4.82	4.69	2.67

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.04	0.00	0.00	0.15	0.00	0.08	0.00	0.05	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
1969-70 P-VALUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANGE P-VALUE	0.04	0.00	0.00	0.15	0.00	0.08	0.00	0.05	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.04	0.00	0.00	0.14	0.00	0.08	0.00	0.05	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.04	0.00	0.00	0.14	0.00	0.08	0.00	0.05	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.04	-0.04	0.11	-0.04	0.04	-0.04	0.01	-0.04	-0.04	0.59	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.31	-0.04	-0.04	-0.04	-0.04
1969-70 DELTA-P		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANGE DELTA-P		-0.04	-0.04	0.11	-0.04	0.04	-0.04	0.01	-0.04	-0.04	0.59	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.31	-0.04	-0.04	-0.04	-0.04
1972-73 SE OF DP		0.04	0.04	0.10	0.04	0.04	0.04	0.01	0.04	0.04	0.59	0.04	0.04	0.04	0.04	0.04	0.04	0.30	0.04	0.04	0.04	0.04
1969-70 SE OF DP		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE DELTA-P		0.04	0.04	0.10	0.04	0.04	0.04	0.01	0.04	0.04	0.59	0.04	0.04	0.04	0.04	0.04	0.04	0.30	0.04	0.04	0.04	0.04

EXERCISE: 303090-2 8U258

Part B. If so, what experiment have you done most recently?

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	54.26	47.89	55.51	54.17	59.89	47.22	61.18	52.32	60.16	67.19	58.83	66.56	54.23	47.69	63.88	59.47	62.54	41.96	54.05	59.56	49.98	54.93
1972-73 SE OF P-VAL	1.31	1.83	3.23	2.77	2.47	2.04	1.58	1.40	2.68	4.50	4.58	4.75	1.70	1.97	3.48	3.60	4.30	2.69	4.84	3.17	3.20	2.03
1972-73 DELTA-P		-6.37#	1.25	-0.09	5.63#	-7.04#	6.92#	-1.94#	5.90*	12.93#	4.57	12.30#	-0.03	-6.57#	9.62#	5.21	8.28	-12.30#	-0.21	5.30	-4.28	0.67
1972-73 SE OF DP		1.85	2.74	2.28	2.21	1.25	1.31	0.47	2.54	4.36	4.45	4.28	1.40	1.54	3.11	3.34	4.51	2.53	4.75	2.95	2.74	1.66

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	34.13	36.06	31.44	36.07	32.43	41.15	27.23	37.05	21.38	24.87	30.33	20.73	33.69	40.62	26.02	29.11	22.34	43.38	33.06	31.43	40.15	33.69
1972-73 SE OF P-VAL	1.37	3.07	3.10	2.47	2.27	1.96	1.55	1.42	2.21	5.50	4.22	3.56	1.83	2.17	3.56	3.09	4.51	3.15	4.13	2.82	3.39	2.32
1972-73 DELTA-P		1.93	-2.69	1.94	-1.70	7.02#	-6.90#	2.92#	-12.75#	-9.26	-3.80	-13.40#	-0.44	6.49#	-8.11#	-5.02	-11.79#	9.25*	-1.07	-2.70	6.02*	-0.44
1972-73 SE OF DP		2.53	2.68	2.15	2.13	1.12	1.17	0.55	2.10	5.40	4.18	3.43	1.42	1.53	3.18	3.05	4.39	2.86	3.74	2.62	2.96	1.95

RESPONSE: 10 AGE: 13 TEXT: Experiments with pure chemicals alone.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.53	7.58	5.47	7.68	5.11	9.47	3.64	7.33	2.68	4.97	4.22	3.83	6.72	8.45	3.27	4.13	1.62	9.59	5.40	8.83	7.19	6.35
1972-73 SE OF P-VAL	0.63	1.47	1.25	1.33	0.93	1.09	0.54	0.75	0.71	1.88	1.82	1.72	1.01	1.09	1.08	0.93	0.72	2.39	2.02	1.61	1.44	1.13
1972-73 DELTA-P		1.05	-1.06	1.15	-1.42	2.94#	-2.89#	0.80#	-3.85#	-1.56	-2.31	-2.70	0.19	1.92#	-3.26#	-2.40*	-4.91#	3.06	-1.13	2.30	0.66	-0.18
1972-73 SE OF DP		1.23	1.12	1.09	0.92	0.59	0.61	0.21	0.94	1.82	1.82	1.63	0.82	0.69	1.15	1.00	0.92	2.20	1.93	1.54	1.26	0.90

RESPONSE: 11 AGE: 13 TEXT: Experiments with chemicals and something else.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.01	3.31	2.95	3.20	2.54	3.01	3.01	2.92	2.73	5.09	4.68	1.66	1.62	4.20	2.71	1.08	2.03	4.31	4.45	1.37	4.62	2.88
1972-73 SE OF P-VAL	0.42	0.89	0.81	0.93	0.69	0.55	0.56	0.46	0.94	3.43	1.88	0.92	0.53	0.72	1.01	0.64	1.23	1.15	2.13	0.69	1.36	0.67
1972-73 DELTA-P		0.30	-0.06	0.19	-0.47	0.00	0.00	-0.09	-0.28	2.08	1.67	-1.35	-1.39#	1.19#	-0.30	-1.93#	-0.98	1.30	1.44	-1.64*	1.61	-0.13
1972-73 SE OF DP		0.75	0.73	0.75	0.65	0.36	0.35	0.23	0.93	3.29	1.72	0.88	0.55	0.46	0.95	0.68	1.20	1.05	1.96	0.68	1.25	0.63

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303090-2 BU258

Attitude toward doing science experiments outside of school.

Part B. If so, what experiment have you done most recently?

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 12 AGE: 13 TEXT: Electrical experiments.																						
1972-73 P-VALUE	0.67	0.78	0.24	0.96	0.63	1.08	0.27	0.71	0.31	0.96	0.00	0.36	0.83	0.68	0.77	0.39	0.45	1.78	0.19	0.88	0.08	0.77
1972-73 SE OF P-VAL	0.22	0.42	0.18	0.61	0.30	0.41	0.14	0.26	0.24	0.49	0.00	0.35	0.42	0.40	0.50	0.39	0.42	1.22	0.18	0.50	0.08	0.38
1972-73 DELTA-P		0.11	-0.43	0.29	-0.04	0.41	-0.40	0.04	-0.36	0.29	-0.67#	-0.31	0.16	0.01	0.10	-0.28	-0.22	1.11	-0.48	0.21	-0.59#	0.10
1972-73 SE OF DP		0.36	0.26	0.46	0.30	0.22	0.22	0.07	0.29	0.51	0.22	0.39	0.35	0.28	0.49	0.41	0.44	1.08	0.27	0.45	0.22	0.32
RESPONSE: 13 AGE: 13 TEXT: Experiments demonstrating physical principles.																						
1972-73 P-VALUE	4.65	4.85	4.56	5.01	4.11	4.81	4.49	4.78	4.08	4.27	0.60	4.08	6.17	4.72	3.26	5.38	3.07	4.99	4.89	4.99	5.20	4.09
1972-73 SE OF P-VAL	0.48	0.97	0.80	0.88	1.13	0.58	0.62	0.54	0.89	1.84	0.43	1.40	1.06	0.69	1.13	1.85	1.06	1.04	1.37	1.47	1.09	0.83
1972-73 DELTA-P		0.20	-0.09	0.36	-0.54	0.16	-0.16	0.13	-0.57	-0.38	-4.05#	-0.57	1.52	0.07	-1.39	0.73	-1.58	0.34	0.24	0.34	0.55	-0.56
1972-73 SE OF DP		0.83	0.76	0.76	0.94	0.37	0.36	0.18	0.92	1.70	0.64	1.31	0.82	0.56	1.09	1.74	1.12	0.99	1.81	1.33	0.95	0.60
RESPONSE: 14 AGE: 13 TEXT: Geological, weather or astronomy experiments.																						
1972-73 P-VALUE	2.54	2.42	2.34	2.33	3.09	2.98	2.11	2.74	1.83	1.42	1.64	1.79	3.14	2.24	2.90	3.14	0.77	1.66	1.88	2.79	3.14	2.77
1972-73 SE OF P-VAL	0.38	0.82	0.50	0.87	0.74	0.57	0.48	0.44	0.79	0.67	1.27	1.01	0.77	0.54	1.19	1.56	0.57	0.84	0.77	0.86	0.75	0.77
1972-73 DELTA-P		-0.12	-0.20	-0.21	0.55	0.44	-0.43	0.20	-0.71	-1.12	-0.90	-0.75	0.60	-0.30	0.36	0.60	-1.77#	-0.88	-0.66	0.25	0.80	0.23
1972-73 SE OF DP		0.69	0.53	0.70	0.65	0.37	0.37	0.14	0.76	0.73	1.28	1.06	0.56	0.47	1.08	1.41	0.64	0.81	0.78	0.83	0.67	0.61
RESPONSE: 15 AGE: 13 TEXT: Examination of life forms, examination of nonliving things.																						
1972-73 P-VALUE	13.62	14.93	13.94	12.76	12.92	16.04	11.24	15.35	6.97	5.72	16.10	8.13	12.16	16.17	11.58	11.33	8.58	16.42	14.77	11.30	16.36	13.84
1972-73 SE OF P-VAL	0.86	1.89	1.91	1.60	1.39	1.44	1.07	0.95	1.45	1.74	3.04	1.89	1.18	1.47	2.26	2.64	2.30	2.49	2.82	2.46	2.29	1.67
1972-73 DELTA-P		1.31	0.32	-0.86	-0.70	2.42#	-2.38#	1.73#	-6.65#	-7.90#	2.48	-5.49#	-1.46	2.55#	-2.04	-2.29	-5.04*	2.80	1.15	-2.32	2.74	0.22
1972-73 SE OF DP		1.56	1.65	1.38	1.32	0.94	0.94	0.31	1.45	1.85	2.86	1.78	1.07	1.02	2.06	2.50	2.36	2.29	2.43	2.35	2.07	1.37
RESPONSE: 16 AGE: 13 TEXT: Experiments on plants and animals.																						
1972-73 P-VALUE	2.53	1.82	1.40	3.38	3.37	3.14	1.93	2.54	2.48	2.46	2.39	0.90	2.69	3.24	1.15	2.95	5.64	3.15	1.43	0.97	2.46	2.55
1972-73 SE OF P-VAL	0.35	0.61	0.50	0.83	0.75	0.64	0.39	0.42	0.77	1.42	1.58	0.66	0.56	0.54	0.55	1.11	1.41	1.28	0.59	0.53	0.73	0.79
1972-73 DELTA-P		-0.71	-1.13*	0.85	0.84	0.61	-0.60	0.01	-0.05	-0.07	-0.14	-1.63*	0.16	0.71*	-1.38*	0.42	3.11*	0.62	-1.10	-1.56#	-0.07	0.02
1972-73 SE OF DP		0.55	0.52	0.66	0.64	0.40	0.39	0.16	0.78	1.38	1.42	0.73	0.43	0.34	0.61	1.07	1.40	1.21	0.60	0.55	0.70	0.60
RESPONSE: 17 AGE: 13 TEXT: Other Acceptable Responses: Respondent did a test about thermal pollution around the city.																						
1972-73 P-VALUE	0.59	0.38	0.54	0.77	0.65	0.63	0.56	0.68	0.31	0.00	0.71	0.00	0.36	0.94	0.39	0.72	0.19	1.52	0.00	0.30	0.91	0.45
1972-73 SE OF P-VAL	0.16	0.28	0.31	0.26	0.39	0.25	0.19	0.18	0.31	0.00	0.71	0.00	0.23	0.30	0.39	0.56	0.19	0.83	0.00	0.29	0.57	0.28
1972-73 DELTA-P		-0.21	-0.05	0.18	0.06	0.04	-0.03	0.09	-0.28	-0.59#	0.12	-0.59#	-0.23	0.35	-0.20	0.13	-0.40	0.93	-0.59#	-0.29	0.32	-0.14
1972-73 SE OF DP		0.25	0.28	0.23	0.32	0.16	0.16	0.06	0.30	0.16	0.68	0.16	0.22	0.21	0.37	0.53	0.24	0.78	0.16	0.35	0.50	0.24
RESPONSE: 02 AGE: 13 TEXT: All Unacceptable Responses.																						
1972-73 P-VALUE	9.17	12.49	9.76	7.34	7.19	9.47	8.87	8.52	14.57	4.57	7.97	9.06	9.97	9.17	8.03	9.96	9.84	10.47	10.81	7.83	7.27	9.43
1972-73 SE OF P-VAL	0.78	1.88	1.72	1.53	1.14	1.12	0.87	0.81	2.11	1.36	2.11	2.35	1.24	1.10	1.46	2.59	3.16	1.84	2.58	1.72	1.68	1.65
1972-73 DELTA-P		3.32*	0.59	-1.83	-1.98	0.30	-0.30	-0.65	5.40#	-4.60#	-1.20	-0.11	0.80	0.00	-1.14	0.79	0.67	1.30	1.64	-1.34	-1.90	0.26
1972-73 SE OF DP		1.60	1.49	1.28	1.12	0.63	0.62	0.37	1.77	1.53	1.91	2.17	0.97	0.80	1.26	2.39	2.94	1.76	2.31	1.74	1.62	1.31
RESPONSE: 20 AGE: 13 TEXT: Vague reference to a science experiment such as rock experiment; about mice; found a fossil once; the environment.																						
1972-73 P-VALUE	5.10	6.79	5.59	4.39	3.66	5.84	4.37	4.72	7.98	3.16	4.99	5.68	5.16	5.19	4.46	6.82	5.35	6.28	6.25	4.56	3.44	4.72
1972-73 SE OF P-VAL	0.58	1.36	1.30	1.12	0.78	0.86	0.63	0.64	1.56	1.20	1.95	1.95	0.85	0.85	1.19	1.81	1.72	1.49	1.48	1.23	1.30	1.23
1972-73 DELTA-P		1.69	0.49	-0.71	-1.44	0.74	-0.73	-0.38	2.88*	-1.94	-0.11	0.58	0.06	0.09	-0.64	1.72	0.25	1.18	1.15	-0.54	-1.66	-0.38
1972-73 SE OF DP		1.13	1.12	0.95	0.80	0.48	0.48	0.27	1.39	1.29	1.78	1.64	0.71	0.70	1.04	1.67	1.62	1.41	1.44	1.22	1.24	0.94
RESPONSE: 21 AGE: 13 TEXT: Other Unacceptable Responses: Respondent mixed food to see how it tasted, searched for insects, or surveyed a park in science class.																						
1972-73 P-VALUE	4.07	5.69	4.17	2.94	3.53	3.63	4.50	3.80	6.59	1.42	2.98	3.38	4.81	3.98	3.57	3.13	4.49	3.88	4.56	3.27	3.83	4.71
1972-73 SE OF P-VAL	0.49	1.42	0.82	0.79	0.81	0.52	0.72	0.49	1.67	0.84	0.80	1.15	0.95	0.71	1.09	1.13	1.67	1.36	2.06	1.11	1.11	0.96
1972-73 DELTA-P		1.62	0.10	-1.13	-0.54	-0.44	0.43	-0.27	2.52	-2.65#	-1.09	-0.69	0.74	-0.09	-0.50	-0.94	0.42	-0.19	0.49	-0.80	-0.24	0.64
1972-73 SE OF DP		1.13	0.78	0.71	0.76	0.39	0.39	0.27	1.42	0.95	0.89	1.21	0.66	0.59	0.89	1.13	1.55	1.26	1.90	1.03	1.06	0.82
RESPONSE: 39 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.43	3.55	3.28	2.41	0.48	2.14	2.71	2.11	3.88	3.36	2.86	3.64	2.09	2.52	2.05	1.46	5.28	4.49	2.08	1.18	2.59	1.93
1972-73 SE OF P-VAL	0.40	1.09	0.94	0.60	0.25	0.50	0.60	0.35	1.10	1.38	1.34	1.53	0.65	0.49	0.76	1.14	2.42	1.36	0.97	0.63	0.68	0.66
1972-73 DELTA-P		1.12	0.85	-0.02	-1.95#	-0.29	0.28	-0.32	1.45	0.93	0.43	1.21	-0.34	0.09	-0.38	-0.97	2.85	2.06	-0.35	-1.25	0.16	-0.50
1972-73 SE OF DP		0.86	0.80	0.57	0.44	0.38	0.37	0.20	0.86	1.19	1.36	1.34	0.46	0.37	0.69	1.06	2.19	1.21	0.82	0.71	0.79	0.62

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

Science is best described as . . . .

```
NAEP #:          303091-2

72-73 Report #: RP253

69-70 Report #: 0782

72-73 Obj:     III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF
                    SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF
                    SCIENCE, AND THE PERSONAL AND SOCIAL
                    RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR
                    SOCIETY.
72-73 Subobj:    C. Appreciate the scientific enterprise.

69-70 Obj:       IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF
                    SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF
                    SCIENCE THAT STEM FROM ADEQUATE
                    UNDERSTANDINGS.

Science Type:       Physical science

Exercise Type:          Short answer
Scoring Type:           Professional
Administration Mode:    Group

Age:                                         13
72-73 Package-Exercise:                    09-33
69-70 Package-Exercise:                    08-18

72-73 National P-val:
         RP253                              ***
69-70 National P-value:
                                            ***

Timing: (in seconds)
                        Stimulus:           9
                        Response:          238
   RP253          Exercise total:          247

***Acceptable/Unacceptable data is not available at this time.
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Exercise 303091-2; RU 253

Science is best described as ...

Note: Three columns of ovals are needed to score this exercise.

First column of ovals = Number of acceptable categories mentioned. Response range 0-2.

Second column of ovals = category of the first idea.

Imaginary column of ovals = category of the second idea.

Note: When there are more than two categories mentioned, the best two are to be coded.

Categories for 2nd and imaginary columns of ovals:

0 = no response

Acceptable

1 = What can be studied by science.
    A study of plants, animals, rocks and many more.
    The study of all living and non-living things that exist.
    A subject which covers nature, chemistry, biology and almost everything known to man.
    The study of stars, moons and planets and man and his environmen

2 = The scientific method - observation, experimentation (research), making hypotheses, theories.
    A way of finding out things by experimenting.
    A subject for experimenting and finding out the elements.
    A subject that tries to find new things by experimenting to find the answer.

3 = Practical applications of science.
    Also scientists work to make this a better world by finding cures for many diseases.
    Science is the work of smart men; they invent things so they can help the world and people.
    To find out new inventions for the world of today. Also to find cures for sickness that have not been found yet.

4 = Distinction between science and the supernatural.

5 = Qualities of science - logic, quantitative
    An orderly and systematic study of ...
    An accurate and orderly arrangement of known things and forces around you.

Exercise 303091-2 (cont.)

- -

Unacceptable

6 = Irrelevant responses (Must be an independent thought); vague responses
    A cool subject. I like it very much because you learn so many things.
    An intelligent man.
    Man's knowledge.

Note: Configuration 060 changed to 999 for I don't know.

```
                          NATION |           REGION             |     SEX       |        RACE          |         PARENTAL EDUCATION           |            SIZE-AND-TYPE OF COMMUNITY
                                 | NORTH  SOUTH                 |               |                OTHER |         SOME   GRAD    POST          |EXTREME  LOW    HIGH   MAIN   URBAN  MEDIUM  SMALL
                          _______|_EAST___EAST_CENTRAL__WEST__|__MALE__FEMALE_|_WHITE__BLACK___RACE__|_NO HS___HS_____HS______HS__UNKNOWN_|_RURAL__METRO__METRO_BIG CTY FRINGE_ CITY__PLACES

EXERCISE: 303091-2     RU253

Science is best described as ....


RESPONSE:  00    AGE: 13        TEXT:  No Response.

    1972-73 P-VALUE        8.85    4.37  11.48   6.47  13.01    9.15   8.53    7.80  12.26  15.85   13.04  11.57   9.05   5.91  13.17    3.80  25.52   4.63  13.28  12.51   7.35   6.64
    1972-73 SE OF P-VAL    1.86    1.74   3.93   2.89   5.14    1.63   2.34    1.90   3.55   5.51    4.50   4.17   2.04   1.66   3.09    2.02  13.77   2.53   6.14   6.15   4.82   2.38
    1972-73 DELTA-P               -4.48*  2.63  -2.38   4.16    0.30  -0.32   -1.05*  3.41   7.00    4.19   2.72   0.20  -2.94#  4.32*  -5.05* 16.67  -4.22   4.43   3.66  -1.50  -2.21
    1972-73 SE OF DP               2.21   3.40   2.74   4.01    0.71   0.77    0.50   3.40   4.57    3.42   3.41   1.12   1.04   2.02    2.52  13.09   2.85   5.77   5.45   4.50   2.23

RESPONSE:  01    AGE: 13        TEXT:  Respondent gives one acceptable response in his description of science.

    1972-73 P-VALUE       55.25   58.51  55.10  55.16  52.45   52.36  58.38   58.04  38.29  49.65   46.44  50.48  55.83  60.14  45.08   52.88  30.74  64.16  50.31  49.27  56.15  60.92
    1972-73 SE OF P-VAL    1.60    2.59   3.39   1.96   4.32    1.79   2.41    1.67   3.49   4.92    6.02   3.94   2.45   1.86   3.36    2.98   5.42   3.08   5.94   5.75   4.06   2.39
    1972-73 DELTA-P                3.26  -0.15  -0.09  -2.80   -2.89*  3.13*   2.79#-16.96# -5.60   -8.81  -4.77   1.58   4.89#-10.17#  -2.37 -24.51#  8.31# -4.94  -5.98   0.90   5.67#
    1972-73 SE OF DP               2.45   2.93   2.10   3.40    1.35   1.42    0.54   3.23   4.41    5.44   3.73   1.60   1.28   3.29    3.08   5.20   3.24   5.70   5.34   3.83   2.16

RESPONSE:  02    AGE: 13        TEXT:  Respondent gives at least two acceptable responses in his description of science.

    1972-73 P-VALUE        5.29    6.24   5.56   5.48   3.96    4.50   6.15    5.43   4.99   4.14    6.09   8.09   4.05   6.60   2.47    6.58   3.84   6.58   5.03   6.45   6.89   3.67
    1972-73 SE OF P-VAL    0.65    1.56   1.41   1.31   0.87    0.84   1.10    0.72   1.37   1.33    2.66   3.51   0.76   1.09   0.92    2.31   1.61   1.50   1.30   2.43   1.97   0.65
    1972-73 DELTA-P                0.95   0.27   0.19  -1.33   -0.79   0.86    0.14  -0.30  -1.15    0.80   2.80  -1.24   1.31* -2.82#   1.29  -1.45   1.29  -0.26   1.16   1.60  -1.62*
    1972-73 SE OF DP               1.29   1.21   1.12   0.88    0.68   0.75    0.19   1.20   1.37    2.67   3.32   0.72   0.65   0.95    2.15   1.63   1.33   1.35   2.09   1.78   0.75

RESPONSE:  09    AGE: 13        TEXT:  I Don't Know.

    1972-73 P-VALUE       30.61   30.89  27.87  32.89  30.58   33.99  26.95   28.73  44.46  30.36   34.43  29.86  30.07  27.35  39.28   36.74  39.30  24.63  31.39  31.78  29.61  28.78
    1972-73 SE OF P-VAL    1.22    2.38   1.91   2.33   2.90    1.58   1.58    1.40   3.26   3.96    7.57   4.27   2.17   1.54   3.88    2.68   8.35   3.74   3.44   4.07   3.67   2.16
    1972-73 DELTA-P                0.28  -2.74   2.28  -0.03    3.38# -3.66#  -1.88# 13.85# -0.25    3.82  -0.75  -0.54  -3.26#  8.67*   6.13*  9.23  -5.98   0.77   1.17  -1.00  -1.83
    1972-73 SE OF DP               2.10   1.82   2.03   2.36    0.97   1.04    0.63   3.20   3.83    7.35   4.32   1.65   1.12   3.66    2.78   7.38   3.52   3.30   3.78   3.49   1.83

EXERCISE: 303091-2     RU253

First idea given to describe science.

RESPONSE:  00    AGE: 13        TEXT:  No Response.

    1972-73 P-VALUE        8.87    4.37  11.45   6.47  13.11    9.15   8.57    7.79  12.51  15.85   13.05  11.57   9.05   5.95  13.17    3.81  25.97   4.64  13.28  12.68   7.35   6.34
    1972-73 SE OF P-VAL    1.86    1.74   3.93   2.89   5.15    1.63   2.35    1.90   3.55   5.51    4.50   4.17   2.04   1.67   3.09    2.02  13.75   2.53   6.14   6.15   4.82   2.37
    1972-73 DELTA-P               -4.50*  2.58  -2.40   4.24    0.28  -0.30   -1.08*  3.64   6.98    4.18   2.70   0.18  -2.92#  4.30*  -5.06* 17.10  -4.23   4.41   3.81  -1.52  -2.33
    1972-73 SE OF DP               2.21   3.40   2.74   4.02    0.72   0.78    0.50   3.41   4.57    3.43   3.41   1.12   1.05   2.02    2.52  13.07   2.85   5.77   5.45   4.50   2.23

RESPONSE:  01    AGE: 13        TEXT:  Acceptable Response:  What can be studied by science (plants, animals, living and non-living things, stars, moons, planets, etc.).

    1972-73 P-VALUE       53.68   56.50  53.70  53.87  50.85   49.78  57.91   56.67  35.75  47.36   43.77  53.43  55.27  59.44  39.29   57.02  30.63  64.06  49.29  46.35  53.95  57.39
    1972-73 SE OF P-VAL    1.48    1.96   2.98   2.35   4.02    1.73   2.17    1.49   3.34   5.14    4.72   5.22   2.47   1.78   3.76    3.10   5.74   3.37   5.69   5.22   3.53   2.53
    1972-73 DELTA-P                2.82   0.02   0.19  -2.63   -3.90#  4.23#   2.99#-17.93# -6.32   -9.91* -0.25   1.59   5.76#-14.39#   3.34 -23.05# 10.38# -4.39  -7.33   0.27   3.71
    1972-73 SE OF DP               2.04   2.62   2.20   3.16    1.22   1.30    0.58   3.11   4.57    4.43   5.03   1.97   1.27   3.39    3.37   5.47   3.41   5.41   4.89   3.48   2.18

RESPONSE:  02    AGE: 13        TEXT:  Acceptable Response:  The scientific method (observation, experimentation (research), making hypotheses or theories).

    1972-73 P-VALUE        3.65    4.15   3.17   3.91   3.37    3.85   3.44    3.68   3.56   3.44    3.06   1.67   2.95   4.63   3.72    0.69   1.67   4.32   3.68   5.47   4.55   3.58
    1972-73 SE OF P-VAL    0.46    0.98   0.97   0.99   0.74    0.62   0.71    0.51   1.16   1.84    2.05   0.99   0.70   0.74   1.01    0.50   0.99   1.18   2.02   1.42   0.94   0.80
    1972-73 DELTA-P                0.50  -0.48   0.26  -0.28    0.20  -0.21    0.03  -0.09  -0.21   -0.59  -1.98* -0.70   0.98   0.07   -2.96# -1.98   0.67   0.03   1.82   0.90  -0.07
    1972-73 SE OF DP               0.84   0.64   0.82   0.69    0.46   0.50    0.19   1.09   1.77    1.96   0.94   0.61   0.53   0.91    0.63   1.07   1.14   1.32   1.31   0.87   0.61

RESPONSE:  03    AGE: 13        TEXT:  Acceptable Response:  Practical applications of science (cures for diseases, inventions, etc.).

    1972-73 P-VALUE        0.69    0.53   0.78   1.14   0.29    0.92   0.44    0.72   0.48   0.65    0.28   1.53   0.41   0.51   1.53    0.00   0.90   0.57   0.57   1.04   1.24   0.60
    1972-73 SE OF P-VAL    0.16    0.27   0.33   0.42   0.21    0.27   0.16    0.18   0.43   0.63    0.28   0.91   0.20   0.24   0.87    0.00   0.77   0.45   0.40   0.67   0.69   0.27
    1972-73 DELTA-P               -0.16   0.09   0.45  -0.40    0.23  -0.25    0.03  -0.21  -0.04   -0.41   0.84  -0.28  -0.18   0.84   -0.69#  0.21  -0.12  -0.12   0.35   0.55  -0.09
    1972-73 SE OF DP               0.25   0.29   0.33   0.22    0.15   0.16    0.07   0.42   0.61    0.30   0.87   0.21   0.23   0.78    0.16   0.75   0.43   0.40   0.61   0.63   0.25

RESPONSE:  04    AGE: 13        TEXT:  Acceptable Response:  Distinction between science and the supernatural.

    1972-73 P-VALUE        0.06    0.24   0.00   0.00   0.00    0.00   0.12    0.07   0.00   0.00    0.00   0.00   0.00   0.00   0.39    0.00   0.00   0.47   0.00   0.00   0.00   0.00
    1972-73 SE OF P-VAL    0.06    0.23   0.00   0.00   0.00    0.00   0.12    0.07   0.00   0.00    0.00   0.00   0.00   0.00   0.38    0.00   0.00   0.48   0.00   0.00   0.00   0.00
    1972-73 DELTA-P                0.18  -0.06  -0.06  -0.06   -0.06   0.06    0.01  -0.06  -0.06   -0.06  -0.06  -0.06  -0.06   0.33   -0.06  -0.06   0.41  -0.06  -0.06  -0.06  -0.06
    1972-73 SE OF DP               0.17   0.06   0.06   0.06    0.06   0.06    0.01   0.06   0.06    0.06   0.06   0.06   0.06   0.33    0.06   0.06   0.43   0.06   0.06   0.06   0.06


*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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                            NATION             REGION                   SEX                RACE                     PARENTAL EDUCATION                              SIZE-AND-TYPE OF COMMUNITY
                                     NORTH   SOUTH                                                   OTHER               SOME    GRAD    POST          EXTREME     LOW    HIGH    MAIN   URBAN  MEDIUM   SMALL
                                      EAST    EAST CENTRAL    WEST    MALE  FEMALE   WHITE   BLACK    RACE   NO HS      HS      HS      HS UNKNOWN   RURAL   METRO   METRO BIG CTY  FRINGE    CITY  PLACES

EXERCISE: 303091-2     R0253

Science is best described as ....

First idea given to describe science.

RESPONSE:  05    AGE: 13        TEXT:  Acceptable Response:  Qualities of science (logical, quantitative, orderly, systematic).

    1972-73 P-VALUE           0.71    1.59    0.50    0.47    0.32    0.69    0.74    0.81    0.23    0.34    1.04    1.40    0.57    0.84    0.13    0.43    0.00    0.90    0.00    1.03    2.15    0.40
    1972-73 SE OF P-VAL       0.20    0.63    0.29    0.34    0.23    0.27    0.30    0.24    0.24    0.34    1.04    0.83    0.33    0.35    0.13    0.42    0.00    0.52    0.00    0.71    0.99    0.27
    1972-73 DELTA-P                   0.88   -0.21   -0.24   -0.39   -0.02    0.03    0.10   -0.48   -0.37    0.33    0.69   -0.14    0.13  -0.58@   -0.28  -0.71@    0.19  -0.71@    0.32    1.44   -0.31
    1972-73 SE OF DP                  0.50    0.29    0.31    0.25    0.20    0.21    0.06    0.29    0.36    1.02    0.78    0.27    0.26    0.19    0.41    0.20    0.53    0.20    0.64    0.86    0.25

RESPONSE:  06    AGE: 13        TEXT:  All unacceptable responses:  Irrelevant responses (must be an independent thought); vague responses.

    1972-73 P-VALUE           1.74    1.74    2.55    1.25    1.49    1.64    1.85    1.54    3.01    2.00    4.37    0.54    1.69    1.29    2.50    1.32    0.94    0.42    1.60    1.66    1.75    2.72
    1972-73 SE OF P-VAL       0.37    0.50    1.20    0.51    0.59    0.36    0.62    0.33    1.28    1.07    2.83    0.39    0.45    0.39    1.09    0.92    0.56    0.33    1.10    0.76    0.58    0.80
    1972-73 DELTA-P                   0.00    0.81   -0.49   -0.25   -0.10    0.11   -0.20    1.27    0.26    2.63  -1.20*   -0.05   -0.45    0.76   -0.42   -0.80  -1.32@    0.08   -0.08   -0.59    0.98
    1972-73 SE OF DP                  0.52    0.95    0.52    0.55    0.32    0.35    0.15    1.06    1.03    2.16    0.50    0.49    0.37    0.84    0.82    0.63    0.48    1.05    0.69    0.61    0.55

RESPONSE:  09    AGE: 13        TEXT:  I Don't Know.

    1972-73 P-VALUE          30.61   30.89   27.87   32.89   30.58   33.99   26.95   28.73   44.46   30.36   34.43   29.86   30.07   27.35   39.28   36.74   39.90   24.63   31.38   31.78   29.61   28.78
    1972-73 SE OF P-VAL       1.22    2.38    1.91    2.33    2.90    1.58    1.58    1.40    3.26    3.96    7.57    4.27    2.17    1.54    3.88    2.68    8.35    3.74    3.44    4.07    3.67    2.16
    1972-73 DELTA-P                   0.28   -2.74    2.28   -0.03   3.38@  -3.66@  -1.88@  13.85@   -0.25    3.82   -0.75   -0.54  -3.26@   8.67*   6.13*    9.29   -5.98    0.77    1.17   -1.00   -1.83
    1972-73 SE OF DP                  2.10    1.82    2.03    2.36    0.97    1.04    0.63    3.20    3.83    7.35    4.32    1.65    1.12    3.66    2.78    7.98    3.52    3.56    3.78    3.49    1.83

EXERCISE: 303091-2     R0253

Second idea given to describe science.

RESPONSE:  00    AGE: 13        TEXT:  No Response.

    1972-73 P-VALUE          60.25   59.12   60.36   58.57   62.43   58.42   62.24   62.16   44.65   62.97   53.28   58.20   61.44   62.95   54.66   54.58   53.78   66.45   56.82   57.15   61.71   62.81
    1972-73 SE OF P-VAL       1.60    2.75    3.05    3.00    3.69    1.79    2.09    1.69    3.79    4.21    5.07    3.89    2.25    1.98    4.33    3.59    9.77    3.21    5.12    5.23    4.59    2.35
    1972-73 DELTA-P                  -1.13    0.61   -1.68    2.18   -1.83    1.99   1.91@ -15.60@    2.72   -6.97   -2.05    1.19   2.70*   -5.59   -5.67   -6.47    6.20   -3.43   -3.10    1.46    2.56
    1972-73 SE OF DP                  2.54    2.72    2.62    3.00    1.06    1.14    0.64    3.43    4.07    4.80    3.55    1.54    1.28    3.96    3.62    9.31    3.11    4.85    4.70    4.21    2.13

RESPONSE:  01    AGE: 13        TEXT:  Acceptable Response:  What can be studied by science (plants, animals, living and non-living things, stars, moons, planets, etc.).

    1972-73 P-VALUE           2.93    3.65    3.57    2.04    2.56    2.37    3.53    2.68    4.66    3.04    5.37    1.58    2.74    2.74    3.40    1.49    2.84    1.65    2.28    3.19    3.04    3.91
    1972-73 SE OF P-VAL       0.40    0.70    1.25    0.50    0.59    0.42    0.73    0.38    1.40    1.09    2.50    0.90    0.60    0.52    1.22    0.93    1.25    0.84    1.18    0.96    1.01    0.75
    1972-73 DELTA-P                   0.72    0.64   -0.89   -0.37   -0.56    0.60   -0.25    1.73    0.11    2.44   -1.35   -0.19   -0.19    0.47   -1.44   -0.05   -1.28   -0.65    0.26    0.11    0.98
    1972-73 SE OF DP                  0.64    0.99    0.53    0.57    0.42    0.45    0.17    1.23    1.05    2.24    0.94    0.64    0.48    0.98    0.84    1.29    0.66    1.14    0.91    0.95    0.55

RESPONSE:  02    AGE: 13        TEXT:  Acceptable Response:  The scientific method (observation, experimentation (research), making hypotheses or theories).

    1972-73 P-VALUE           2.13    2.06    1.75    3.03    1.64    2.15    2.11    2.35    1.25    0.97    2.27    1.00    1.43    3.29    0.92    2.87    1.10    3.08    0.89    2.88    2.91    1.50
    1972-73 SE OF P-VAL       0.39    0.78    0.50    0.99    0.65    0.53    0.51    0.46    0.88    0.75    1.43    0.64    0.47    0.71    0.65    1.75    0.73    1.18    0.60    1.29    1.25    0.47
    1972-73 DELTA-P                  -0.07   -0.38    0.90   -0.49    0.02   -0.02    0.22   -0.88   -1.16    0.14   -1.13   -0.70   1.16@   -1.21    0.74   -1.03    0.95   -1.24    0.75    0.78   -0.63
    1972-73 SE OF DP                  0.68    0.53    0.78    0.59    0.34    0.37    0.15    0.91    0.79    1.30    0.66    0.44    0.45    0.70    1.61    0.77    1.07    0.62    1.15    1.17    0.49

RESPONSE:  03    AGE: 13        TEXT:  Acceptable Response:  Practical applications of science (cures for diseases, inventions, etc.).

    1972-73 P-VALUE           1.92    2.19    2.75    1.66    1.15    1.60    2.27    1.90    2.34    1.49    2.82    5.49    1.68    1.75    0.65    3.54    1.29    1.93    3.66    2.08    2.09    0.86
    1972-73 SE OF P-VAL       0.35    0.80    0.91    0.62    0.45    0.41    0.80    0.39    0.88    0.78    2.07    3.53    0.51    0.53    0.38    2.24    0.81    0.91    1.01    1.06    0.99    0.41
    1972-73 DELTA-P                   0.27    0.83   -0.26   -0.76   -0.32    0.35   -0.02    0.42   -0.43    0.90    3.56   -0.24   -0.17  -1.27@    1.62   -0.63    0.01    1.74    0.16    0.17   -1.06
    1972-73 SE OF DP                  0.68    0.75    0.56    0.47    0.49    0.54    0.12    0.83    0.78    2.23    3.34    0.44    0.40    0.43    2.11    0.84    0.80    0.38    0.93    0.90    0.59

RESPONSE:  04    AGE: 13        TEXT:  Acceptable Response:  Distinction between science and the supernatural.

    1972-73 P-VALUE           0.04    0.00    0.00    0.00    0.16    0.00    0.08    0.05    0.00    0.00    0.00    0.00    0.00    0.10    0.00    0.00    0.00    0.34    0.00    0.00    0.00    0.00
    1972-73 SE OF P-VAL       0.04    0.00    0.00    0.00    0.16    0.00    0.09    0.05    0.00    0.00    0.00    0.00    0.00    0.10    0.00    0.00    0.00    0.33    0.00    0.00    0.00    0.00
    1972-73 DELTA-P                  -0.04   -0.04   -0.04    0.12   -0.04    0.04    0.01   -0.04   -0.04   -0.04   -0.04   -0.04    0.06   -0.04   -0.04   -0.04    0.30   -0.04   -0.04   -0.04   -0.04
    1972-73 SE OF DP                  0.04    0.04    0.04    0.12    0.04    0.04    0.01    0.04    0.04    0.04    0.04    0.04    0.06    0.04    0.04    0.04    0.29    0.04    0.04    0.04    0.04

RESPONSE:  05    AGE: 13        TEXT:  Acceptable Response:  Qualities of science (logical, quantitative, orderly, systematic).

    1972-73 P-VALUE           0.02    0.08    0.00    0.00    0.00    0.00    0.04    0.02    0.00    0.00    0.00    0.00    0.00    0.05    0.00    0.00    0.00    0.00    0.00    0.14    0.00    0.00
    1972-73 SE OF P-VAL       0.02    0.08    0.00    0.00    0.00    0.00    0.04    0.02    0.00    0.00    0.00    0.00    0.00    0.05    0.00    0.00    0.00    0.00    0.00    0.14    0.00    0.00
    1972-73 DELTA-P                   0.06   -0.02   -0.02   -0.02   -0.02    0.02    0.00   -0.02   -0.02   -0.02   -0.02   -0.02    0.03   -0.02   -0.02   -0.02   -0.02   -0.02    0.12   -0.02   -0.02
    1972-73 SE OF DP                  0.06    0.02    0.02    0.02    0.02    0.02    0.00    0.02    0.02    0.02    0.02    0.02    0.03    0.02    0.02    0.02    0.02    0.02    0.12    0.02    0.02
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* The absolute value of this number is greater than 2.0 times its standard error.
@ The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303091-2 RU253

Science is best described as ....

Second idea given to describe science.

RESPONSE: 06 AGE: 13 TEXT: All unacceptable responses: Irrelevant responses (must be an independent thought); vague responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.10	2.01	3.20	1.80	1.47	1.47	2.70	2.10	2.64	1.16	1.83	3.09	2.63	1.77	1.09	0.70	1.10	1.91	4.97	2.79	0.63	2.15
1972-73 SE OF P-VAL	0.43	0.63	1.28	0.84	0.55	0.37	0.72	0.40	0.65	0.82	1.10	1.40	0.69	0.49	0.49	0.59	0.61	0.61	2.26	1.26	0.43	0.71
1972-73 DELTA-P		-0.09	1.10	-0.30	-0.63	-0.63	0.60	0.00	0.54	-0.94	-0.27	1.79	0.53	-0.33	-1.01	-1.32*	-1.00	-0.19	2.87	0.69	-1.47#	0.05
1972-73 SE OF DP		0.62	1.02	0.72	0.57	0.36	0.39	0.13	0.80	0.87	1.03	1.25	0.50	0.31	0.56	0.59	0.65	0.64	2.07	1.13	0.55	0.56

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	30.61	30.89	27.87	32.89	30.58	33.99	26.95	28.73	44.46	30.36	34.43	29.06	30.07	27.35	39.28	36.74	39.90	24.63	31.30	31.78	29.61	28.78
1972-73 SE OF P-VAL	1.22	2.38	1.91	2.33	2.90	1.58	1.58	1.40	3.26	3.96	7.57	4.27	2.17	1.54	3.00	2.60	8.35	3.74	3.44	4.07	3.67	2.16
1972-73 DELTA-P		0.28	-2.74	2.28	-0.03	3.38#	-3.66#	-1.88#	13.85#	-0.25	3.82	-0.75	-0.54	-3.26#	8.67*	6.13*	9.29	-5.98	0.77	1.17	-1.00	-1.83
1972-73 SE OF DP		2.10	1.82	2.03	2.36	0.97	1.04	0.63	3.20	3.83	7.35	4.32	1.65	1.12	3.66	2.70	7.98	3.52	3.50	3.78	3.49	1.83

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

A. Do you read books about science or scientists?

● Often

○ Sometimes

○ Never

B. If so, what book have you read most recently?

____

A. How often do you read books about science or scientists, often, sometimes, or never?

● Often (Go to B)

○ Sometimes (Go to B)

○ Never (End the exercise)

B. What book about science or scientists have you read most recently?

____

NAEP #: 303092-34

72-73 Report #: RU248
69-70 Report #: U870

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: C. Appreciate the scientific enterprise.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Individual for adults/Group at other ages

Age:		17IS	Adult
72-73 Package-Exercise:		04-07	04-01
69-70 Package-Exercise:		10-14	
72-73 National P-val:			
RU248A		5.77	9.24
RU248B		27.87	24.46
69-70 National P-value:			
RU248A		5.42	
RU248B		***	
Timing: (in seconds)			
	Stimulus:	8	*
	Response:	5	*
RU248A	Part total:	13	*
	Stimulus:	8	*
	Response:	9	*
RU248B	Part total:	17	*
RU248	Exercise total:	30	*

*Time not limited by paced tape.

***Acceptable/Unacceptable data is not available at this time.

Exercise 303092-3,4s; RU 248

A. How often do you read books about science or scientists?

B. What book about science or scientists have you read most recently?

00 = no response

Acceptable

10 = Astronomy; space exploration

11 = Environment; ecology; pollution; overpopulation

12 = Geology; earth science; weather; oceanography (excluding life forms)

13 = Biology; cells; microorganisms; plants; animals

14 = Human body; medicine; disease; reproduction (human); nutrition

15 = Evolution; genetics; archeology; fossils

16 = Chemistry; physics; electricity; mechanics

17 = Science fiction; new discoveries; things in the future

18 = About scientists; historical scientific events

19 = Other acceptable (Scorers: Do not use this category any more than necessary)
Includes general science textbooks.

- -

Unacceptable

20 = Sociology; psychology (Considered acceptable by some consultants)

21 = Economics; other math topics

22 = Technical manuals - if the one mentioned is not acceptable.

23 = Names a science article in either a magazine or general reference book

24 = Names a science reference book: Merck Index, Handbook of Physics and Chemistry, etc.

25 = Other unacceptable

39 = I don't know.

EXERCISE: 303092-34 RU248

Attitude toward reading books about science or scientists.

Part A. Do you read books about science or scientists?

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	0.31	0.92	0.00	0.19	0.00	0.16	0.46	0.34	0.00	0.48	0.00	0.00	0.00	0.21	3.61	0.00	0.86	1.13	0.00	0.00	0.00	0.33
1969-70 P-VALUE	0.37	0.10	1.94	0.00	0.00	0.72	0.05	0.11	2.72	0.60	2.20	0.00	0.55	0.00	4.24	0.00	0.33	1.67	0.29	0.00	0.00	0.37
CHANGE P-VALUE	-0.06	0.82	-1.94	0.19	0.00	-0.56	0.41	0.23	-2.72	-0.12	-2.20	0.00	-0.55	0.21	-0.63	0.00	0.55	-0.54	-0.29	0.00	0.00	-0.04
1972-73 SE OF P-VAL	0.16	0.57	0.00	0.19	0.00	0.12	0.26	0.20	0.00	0.49	0.00	0.00	0.00	0.15	2.45	0.00	0.66	1.22	0.00	0.00	0.00	0.24
1969-70 SE OF P-VAL	0.21	0.09	1.16	0.00	0.00	0.44	0.04	0.10	2.03	0.61	1.66	0.00	0.39	0.00	3.00	0.00	0.33	1.61	0.29	0.00	0.00	0.27
SE OF CHANGE P-VALUE	0.26	0.58	1.16	0.19	0.00	0.46	0.26	0.22	2.03	0.78	1.66	0.00	0.39	0.15	3.87	0.00	0.74	2.02	0.29	0.00	0.00	0.36
1972-73 DELTA-P		0.61	-0.31	-0.12	-0.31	-0.15	0.15	0.03	-0.31	0.17	-0.31	-0.31	-0.31	-0.10	3.30	-0.31	0.57	0.82	-0.31	-0.31	-0.31	0.02
1969-70 DELTA-P		-0.27	1.57	-0.37	-0.37	0.35	-0.32	-0.26	2.35	-0.23	1.83	-0.37	0.18	-0.37	3.87	-0.37	-0.04	1.30	-0.08	-0.37	-0.37	0.00
CHANGE DELTA-P		0.88	-1.88	0.25	0.06	-0.50*	0.47	0.29	-2.66	-0.06	-2.14	0.06	-0.49	0.27	-0.57	0.06	0.61	-0.48	-0.23	0.06	0.06	0.02
1972-73 SE OF DP		0.42	0.16	0.20	0.16	0.11	0.12	0.04	0.16	0.50	0.16	0.16	0.16	0.17	2.30	0.16	0.63	1.09	0.16	0.16	0.16	0.22
1969-70 SE OF DP		0.22	0.95	0.21	0.21	0.23	0.21	0.19	1.85	0.62	1.48	0.21	0.22	0.21	2.98	0.21	0.37	1.44	0.32	0.21	0.21	0.25
SE OF CHANGE DELTA-P		0.47	0.96	0.29	0.26	0.25	0.24	0.19	1.86	0.80	1.49	0.26	0.27	0.27	3.76	0.26	0.73	1.81	0.36	0.26	0.26	0.33
AGE: Ad	Response did not occur at this age.																					
RESPONSE: 01* AGE: 17	TEXT: Often.																					
1972-73 P-VALUE	5.77	4.02	7.82	4.27	8.12	7.61	3.89	5.05	9.87	8.28	3.11	4.60	3.51	7.44	9.27	4.34	4.92	7.20	6.05	5.74	6.46	5.40
1969-70 P-VALUE	5.42	4.94	8.56	4.70	4.61	7.50	3.51	5.21	7.25	5.73	7.99	5.04	5.10	5.46	4.49	10.70	3.29	5.67	3.93	5.29	6.98	4.24
CHANGE P-VALUE	0.35	-0.92	-0.74	-0.43	3.51	0.11	0.38	-0.16	2.62	2.55	-4.88	-0.44	-1.59	1.98	4.78	-6.36#	1.63	1.53	2.12	0.45	-0.52	1.16
1972-73 SE OF P-VAL	0.53	1.00	1.09	0.89	1.12	0.81	0.65	0.58	1.95	1.93	1.24	1.83	0.84	0.88	2.32	1.31	1.62	2.10	2.06	1.41	1.63	0.81
1969-70 SE OF P-VAL	0.57	0.95	1.21	1.02	1.41	1.08	0.67	0.60	1.63	3.64	2.65	1.78	0.93	0.77	4.36	2.07	1.37	1.61	1.22	3.01	1.08	0.88
SE OF CHANGE P-VALUE	0.78	1.38	1.63	1.35	1.80	1.35	0.93	0.81	2.54	4.12	2.93	2.55	1.25	1.17	4.94	2.45	2.12	2.65	2.39	3.32	1.96	1.20
1972-73 DELTA-P		-1.75*	2.05*	-1.50	2.35*	1.84#	-1.88#	-0.72#	4.10*	2.51	-2.66*	-1.17	-2.26#	1.67#	3.50	-1.43	-0.85	1.43	0.28	-0.03	0.69	-0.37
1969-70 DELTA-P		-0.48	3.14#	-0.72	-0.81	2.08#	-1.91#	-0.21	1.83	0.31	2.57	-0.38	-0.32	0.04	-0.93	5.28#	-2.13	0.25	-1.49	-0.13	1.56	-1.18
CHANGE DELTA-P		-1.27	-1.09	-0.78	3.16*	-0.24	0.03	-0.51	2.27	2.20	-5.23	-0.79	-1.94	1.63	4.43	-6.71#	1.28	1.18	1.77	0.10	-0.87	0.81
1972-73 SE OF DP		0.82	1.08	0.77	0.97	0.53	0.52	0.27	1.80	1.88	1.31	1.81	0.71	0.60	2.29	1.36	1.61	1.95	1.96	1.32	1.41	0.75
1969-70 SE OF DP		0.89	1.17	0.84	1.15	0.71	0.66	0.27	1.61	3.45	2.57	1.53	0.76	0.63	4.40	1.96	1.44	1.56	1.17	2.75	1.13	0.69
SE OF CHANGE DELTA-P		1.21	1.54	1.14	1.50	0.89	0.84	0.38	2.41	3.89	2.88	2.37	1.04	0.87	4.96	2.39	2.16	2.50	2.28	3.05	1.81	1.02
RESPONSE: 01* AGE: Ad	TEXT: Often (Go to B)																					
1972-73 P-VALUE	9.24	11.51	7.40	7.86	10.17	13.14	5.60	9.34	8.49	9.05	5.48	7.79	9.64	14.09	4.87	7.24	8.98	12.11	11.69	8.90	12.45	7.41
1972-73 SE OF P-VAL	0.80	1.48	1.57	1.52	1.73	1.28	0.88	0.86	2.32	3.62	1.13	1.72	1.48	1.78	3.06	2.13	2.14	3.01	1.97	2.88	3.02	1.28
1972-73 DELTA-P		2.27	-1.84	-1.38	0.93	3.90#	-3.64#	0.10	-0.75	-0.19	-3.76#	-1.45	0.40	4.85#	-4.37	-2.00	-0.26	2.87	2.45	-0.34	3.21	-1.83
1972-73 SE OF DP		1.33	1.42	1.28	1.84	0.79	0.71	0.33	2.22	3.48	1.05	1.56	1.22	1.47	3.36	2.05	2.05	2.79	2.10	2.81	2.80	1.02
RESPONSE: 02 AGE: 17	TEXT: Sometimes.																					
1972-73 P-VALUE	45.99	47.31	47.68	43.96	45.66	48.27	43.66	45.64	46.34	51.22	40.29	41.61	44.20	49.76	30.32	44.68	44.18	42.81	46.67	42.25	47.07	49.26
1969-70 P-VALUE	45.56	44.32	51.47	43.78	44.88	51.58	40.03	45.02	47.88	49.97	45.42	42.68	43.50	48.26	38.84	46.80	34.53	50.51	49.35	46.25	45.78	44.33
CHANGE P-VALUE	0.43	2.99	-3.79	0.18	0.78	-3.31	3.63	0.62	-1.54	1.25	-5.13	-1.07	0.70	1.50	-0.52	-2.12	9.65	-7.70	-2.68	-4.00	1.29	4.93
1972-73 SE OF P-VAL	1.28	2.28	3.33	2.49	2.23	2.00	1.84	1.43	3.63	4.27	3.63	3.70	2.38	1.82	4.02	2.48	3.70	4.12	6.88	2.49	3.54	1.94
1969-70 SE OF P-VAL	1.57	2.98	3.13	3.12	3.00	1.89	2.23	1.60	4.23	7.38	5.56	3.42	2.62	2.13	8.84	5.35	4.93	3.32	3.66	5.71	2.55	2.92
SE OF CHANGE P-VALUE	2.03	3.75	4.57	3.99	3.74	2.75	2.89	2.15	5.57	8.53	6.64	5.04	3.54	2.80	9.71	5.90	6.16	5.29	7.79	6.23	4.36	3.51
1972-73 DELTA-P		1.32	1.69	-2.03	-0.33	2.28	-2.33	-0.35	0.35	5.23	-5.70	-4.38	-1.79	3.77#	-7.67*	-1.31	-1.81	-3.18	0.68	-3.74	1.08	3.27*
1969-70 DELTA-P		-1.24	5.91*	-1.78	-0.68	6.02#	-5.53#	-0.54	2.32	4.41	-0.14	-2.88	-2.06	2.70	-6.72	1.24	-11.03*	4.95	3.79	0.69	0.22	-1.23
CHANGE DELTA-P		2.56	-4.22	-0.25	0.35	-3.74	3.20	0.19	-1.97	0.82	-5.56	-1.50	0.27	1.07	-0.95	-2.55	9.22	-8.13	-3.11	-4.43	0.86	4.50
1972-73 SE OF DP		2.00	2.91	2.02	2.08	1.39	1.45	0.51	3.50	4.20	3.49	3.65	1.85	1.34	3.79	2.47	3.84	3.92	6.45	2.40	3.10	1.57
1969-70 SE OF DP		2.66	2.93	2.43	2.62	1.42	1.35	0.63	4.05	6.84	5.05	3.35	1.87	1.53	8.87	4.95	4.79	3.23	3.58	5.32	2.62	2.16
SE OF CHANGE DELTA-P		3.33	4.13	3.16	3.35	1.99	1.98	0.81	5.35	8.03	6.14	4.95	2.63	2.03	9.65	5.53	6.14	5.08	7.38	5.84	4.06	2.67

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303092-34 RU249

Attitude toward reading books about science or scientists.

Part A. Do you read books about science or scientists?

RESPONSE: 02 AGE: Ad TEXT: Sometimes (Go to B)

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	41.73	43.08	43.46	34.29	47.04	42.14	41.35	41.89	41.24	40.08	32.29	41.68	44.62	50.18	23.42	38.69	38.24	42.26	41.12	46.25	41.05	42.01
1972-73 SE OF P-VAL	1.40	2.92	3.12	2.28	2.68	1.78	2.23	1.59	3.31	5.41	2.23	3.15	2.64	2.64	5.95	5.21	3.84	4.06	4.18	3.13	5.13	2.31
1972-73 DELTA-P		1.35	1.73	-7.44#	5.31*	0.41	-0.38	0.16	-0.49	-1.65	-9.44#	-0.05	2.89	8.45#	-18.31#	-3.05	-3.49	0.53	-0.61	4.52	-0.68	0.28
1972-73 SE OF DP		2.53	2.73	1.99	2.32	1.52	1.41	0.48	3.32	5.39	2.05	2.88	2.18	2.22	5.70	4.96	3.62	3.79	4.24	2.86	4.85	1.78

RESPONSE: 03 AGE: 17 TEXT: Never.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	47.93	47.75	44.50	51.57	46.22	43.96	52.00	48.97	43.79	40.02	56.60	53.80	52.29	42.59	48.80	50.97	50.02	48.86	47.27	52.01	46.47	45.01
1969-70 P-VALUE	48.62	50.51	38.03	51.52	50.51	40.21	56.36	49.67	42.16	43.11	44.02	52.21	50.85	46.29	52.43	42.50	61.35	42.16	46.43	48.46	47.25	51.07
CHANGE P-VALUE	-0.69	-2.76	6.47	0.05	-4.29	3.75	-4.36	-0.70	1.63	-3.09	12.58	1.59	1.44	-3.70	-3.63	8.47	-11.33	6.70	0.84	3.55	-0.78	-6.06
1972-73 SE OF P-VAL	1.21	2.32	2.94	2.35	2.02	1.97	1.85	1.36	4.05	4.11	4.03	3.37	2.31	1.69	4.32	2.82	3.79	4.13	6.10	2.99	3.03	2.18
1969-70 SE OF P-VAL	1.70	3.10	3.36	3.49	3.12	2.05	2.31	1.64	4.74	10.45	6.28	3.64	2.69	2.29	3.57	5.39	5.21	4.00	3.51	5.29	3.00	3.39
SE OF CHANGE P-VALUE	2.09	3.87	4.46	4.21	3.72	2.84	2.96	2.13	6.23	11.23	7.46	4.96	3.55	2.85	10.50	6.08	6.44	5.75	7.04	6.08	4.26	4.03
1972-73 DELTA-P		-0.18	-3.43	3.64	-1.71	-3.97#	4.07#	1.04	-4.14	-7.91	8.67*	5.87	4.36*	-5.34#	0.87	3.04	2.09	0.93	-0.66	4.08	-1.46	-2.92
1969-70 DELTA-P		1.89	-10.59#	2.90	1.89	-8.41#	7.74#	1.05	-6.46	-5.51	-4.60	3.59	2.23	-2.33	3.81	-6.12	12.73*	-6.46	-2.19	-0.16	-1.37	2.45
CHANGE DELTA-P		-2.07	7.16	0.74	-3.60	4.44*	-3.67	-0.01	2.32	-2.40	13.27	2.28	2.13	-3.01	-2.94	9.16	-10.64	7.39	1.53	4.24	-0.09	-5.37
1972-73 SE OF DP		1.98	2.61	1.89	1.92	1.43	1.51	0.59	3.88	4.09	3.79	3.25	1.75	1.43	4.20	2.67	3.85	4.02	5.72	2.86	2.78	1.72
1969-70 SE OF DP		2.81	3.15	2.68	2.76	1.46	1.41	0.81	4.59	9.63	5.66	3.38	1.88	1.72	9.62	4.98	5.10	3.85	3.52	4.93	3.10	2.45
SE OF CHANGE DELTA-P		3.44	4.09	3.28	3.36	2.04	2.07	1.00	6.01	10.46	6.81	4.69	2.57	2.24	10.50	5.65	6.39	5.57	6.72	5.70	4.15	2.99

RESPONSE: 03 AGE: Ad TEXT: Never (End the exercise)

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	49.02	45.40	49.13	57.84	42.78	44.71	53.04	48.75	50.26	50.86	62.22	50.52	45.73	35.73	71.70	54.07	52.77	45.62	47.18	44.84	46.49	50.57
1972-73 SE OF P-VAL	1.63	3.08	3.46	3.04	3.31	1.95	2.38	1.81	3.66	6.05	2.55	3.00	2.66	2.58	7.04	4.62	4.26	4.75	4.85	3.64	5.99	2.63
1972-73 DELTA-P		-3.62	0.11	8.82#	-6.24*	-4.31#	4.02#	-0.27	1.24	1.84	13.20#	1.50	-3.29	-13.29#	22.68#	5.05	3.75	-3.40	-1.84	-4.18	-2.53	1.55
1972-73 SE OF DP		2.75	3.08	2.53	2.84	1.50	1.37	0.54	3.57	5.93	2.36	2.67	2.06	1.97	6.72	4.43	3.98	4.29	4.87	3.38	5.64	2.08

EXERCISE: 303092-34 RU248

Part B. If so, what book have you read most recently? (For adults, not asked unless response to Part A was "often" or "sometimes".)

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	55.97	56.55	53.62	59.01	53.24	54.96	57.01	56.59	52.46	53.78	62.20	64.81	60.21	50.16	59.03	55.06	55.85	55.56	54.7[illegible]	62.98	52.83	53.81
1972-73 SE OF P-VAL	1.31	3.01	2.80	2.40	1.95	1.93	1.87	1.57	3.79	3.17	5.31	3.36	2.45	1.89	4.45	2.86	2.44	5.62	5.49	3.09	2.99	2.92
1972-73 DELTA-P		0.58	-2.35	3.04	-2.73	-1.01	1.04	0.62	-3.51	-2.19	6.23	8.84#	4.24*	-5.81#	3.06	-0.91	3.88	-0.41	-1.24	7.01*	-3.14	-2.16
1972-73 SE OF DP		2.40	2.56	1.99	1.94	1.34	1.39	0.57	3.77	3.40	4.74	3.41	1.88	1.57	4.35	2.86	2.67	5.39	5.18	3.13	2.79	2.23

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.85	0.11	0.64	0.68	1.87	0.92	0.79	0.77	0.79	2.29	0.86	0.25	1.30	0.79	0.00	0.85	2.01	0.37	0.00	3.37	0.60	0.19
1972-73 SE OF P-VAL	0.36	0.12	0.40	0.28	1.27	0.69	0.26	0.41	0.10	1.12	0.38	0.25	1.08	0.41	0.00	0.65	0.66	0.37	0.00	2.71	0.60	0.14
1972-73 DELTA-P		-0.74*	-0.21	-0.17	1.02	0.07	-0.06	-0.08	-0.06	1.44	0.01	-0.60	0.45	-0.06	-0.85*	0.00	1.16	-0.48	-0.85*	2.52	-0.25	-0.66
1972-73 SE OF DP		0.37	0.47	0.40	0.94	0.38	0.35	0.09	0.35	1.10	0.46	0.44	0.76	0.46	0.36	0.70	0.64	0.49	0.36	2.38	0.64	0.36

RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	27.87	27.60	28.17	24.59	32.25	28.93	26.78	27.08	32.69	29.87	22.78	23.93	23.43	32.67	24.90	27.28	28.28	28.99	29.78	21.14	29.49	29.47
1972-73 SE OF P-VAL	1.14	2.16	2.02	2.42	2.05	1.67	1.56	1.42	3.10	3.39	3.95	2.81	2.23	1.66	3.21	2.80	2.44	4.33	5.33	2.68	2.85	2.37
1972-73 DELTA-P		-0.27	0.30	-3.28	4.38*	1.06	-1.09	-0.79	4.82	2.00	-5.09	-3.94	-4.44*	4.80#	-2.97	-0.59	0.41	1.12	1.91	-6.73#	1.62	1.60
1972-73 SE OF DP		1.84	1.95	1.89	1.88	1.13	1.17	0.53	3.34	3.47	3.56	2.69	1.83	1.30	3.34	2.65	2.70	4.14	4.95	2.62	2.79	1.91

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	24.46	28.57	16.99	20.13	31.46	28.12	21.05	25.30	18.60	22.52	13.91	19.77	26.82	37.42	8.48	16.05	20.60	31.31	34.53	28.16	25.14	21.58
1972-73 SE OF P-VAL	1.28	3.05	2.51	2.40	2.10	1.96	1.70	1.39	3.50	4.70	1.67	2.48	2.58	2.02	3.77	2.93	3.46	3.56	4.46	3.91	4.28	2.33
1972-73 DELTA-P		4.11	-7.47#	-4.33*	7.00#	3.66#	-3.41#	0.84	-5.86	-1.94	-10.55#	-4.69*	2.36	12.96#	-15.98#	-8.41#	-3.86	6.85*	10.07*	3.70	0.68	-2.88
1972-73 SE OF DP		2.53	2.28	2.07	1.92	1.37	1.26	0.48	3.29	4.63	1.63	2.23	1.88	1.86	3.79	2.92	2.99	3.29	4.44	3.82	4.08	1.81

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                          NATION |              REGION             |     SEX      |         RACE         |            PARENTAL EDUCATION            |               SIZE-AND-TYPE OF COMMUNITY
                                 | NORTH  SOUTH                    |              |                OTHER |         SOME   GRAD   POST               |EXTREME  LOW    HIGH   MAIN   URBAN  MEDIUM SMALL
                          -------|  EAST   EAST CENTRAL   WEST     |  MALE FEMALE | WHITE  BLACK   RACE  | NO HS   HS     HS     HS   UNKNOWN      | RURAL  METRO  METRO BIG CTY FRINGE  CITY  PLACES

EXERCISE: 303092-34    RU248

Attitude toward reading books about science or scientists.

Part B.  If so, what book have you read most recently?  (For adults, not asked unless response to Part A was "often" or "sometimes".)

RESPONSE:  10    AGE: 17          TEXT:  Astronomy and space exploration.

    1972-73 P-VALUE       1.45     0.68   1.16   1.92   1.99     1.81   1.08     1.17   2.53   3.66     1.22   3.09   1.40   1.36   0.00     2.54   1.33   0.52   1.58   0.71   2.58   1.28
    1972-73 SE OF P-VAL   0.27     0.29   0.48   0.43   0.85     0.40   0.33     0.24   0.85   2.19     0.73   1.30   0.46   0.37   0.00     1.08   0.75   0.27   0.89   0.45   0.95   0.47
    1972-73 DELTA-P               -0.77* -0.29   0.47   0.54     0.36  -0.37    -0.28*  1.08   2.21    -0.23   1.64  -0.05  -0.09  -1.45#    1.09  -0.12  -0.93#  0.13  -0.74   1.13  -0.17
    1972-73 SE OF DP               0.33   0.46   0.38   0.67     0.24   0.25     0.14   0.72   2.13     0.71   1.19   0.38   0.27   0.27     1.01   0.78   0.36   0.65   0.50   0.82   0.37

                AGE: Ad

    1972-73 P-VALUE       2.65     3.44   2.69   1.61   3.02     3.13   2.20     2.71   2.12   2.80     3.02   1.37   3.39   2.37   1.39     2.28   2.49   2.79   5.40   2.52   2.98   2.10
    1972-73 SE OF P-VAL   0.39     0.82   0.78   0.46   0.97     0.67   0.48     0.42   1.35   1.59     0.78   0.84   0.75   0.69   1.41     0.86   1.38   1.20   2.34   1.12   0.91   0.52
    1972-73 DELTA-P                0.79   0.04  -1.04*  0.37     0.48  -0.45     0.06  -0.53   0.15     0.37  -1.28   0.74  -0.28  -1.26    -0.37  -0.16   0.14   2.75  -0.13   0.33  -0.55
    1972-73 SE OF DP               0.71   0.71   0.49   0.77     0.45   0.42     0.18   1.29   1.51     0.62   0.83   0.60   0.60   1.40     0.89   1.32   1.09   2.16   1.04   0.89   0.48

RESPONSE:  11    AGE: 17          TEXT:  Environment, ecology, pollution, overpopulation.

    1972-73 P-VALUE       0.49     0.83   0.51   0.49   0.07     0.37   0.61     0.52   0.34   0.34     0.27   0.24   1.02   0.28   0.00     0.34   0.27   1.22   1.10   0.00   0.50   0.36
    1972-73 SE OF P-VAL   0.13     0.23   0.31   0.30   0.07     0.21   0.27     0.14   0.24   0.33     0.26   0.23   0.48   0.17   0.00     0.30   0.27   0.83   0.92   0.00   0.40   0.20
    1972-73 DELTA-P                0.34   0.02   0.00  -0.42#   -0.12   0.12     0.03  -0.15  -0.15    -0.22  -0.25   0.53  -0.21  -0.49#   -0.15  -0.22   0.73   0.61  -0.49#  0.01  -0.13
    1972-73 SE OF DP               0.20   0.28   0.23   0.14     0.20   0.21     0.04   0.24   0.34     0.28   0.24   0.38   0.21   0.13     0.30   0.28   0.78   0.84   0.13   0.45   0.17

                AGE: Ad

    1972-73 P-VALUE       0.71     0.80   0.75   0.23   1.11     0.86   0.57     0.80   0.00   0.60     0.42   0.94   0.66   1.00   0.00     1.39   0.90   0.25   0.00   1.10   0.85   0.65
    1972-73 SE OF P-VAL   0.17     0.30   0.39   0.16   0.46     0.31   0.21     0.20   0.00   0.62     0.25   0.60   0.30   0.39   0.00     1.00   0.55   0.25   0.00   0.73   0.61   0.25
    1972-73 DELTA-P                0.09   0.04  -0.48*  0.40     0.15  -0.14     0.09  -0.71# -0.11    -0.29   0.23  -0.05   0.29  -0.71#    0.68   0.19  -0.46  -0.71#  0.39   0.14  -0.06
    1972-73 SE OF DP               0.28   0.34   0.20   0.36     0.20   0.19     0.05   0.17   0.62     0.26   0.51   0.28   0.33   0.17     0.93   0.54   0.27   0.17   0.66   0.58   0.22

RESPONSE:  12    AGE: 17          TEXT:  Geology, rocks, earth science, oceanography (ex. life forms), weather.

    1972-73 P-VALUE       1.00     0.68   2.12   0.55   1.03     1.33   0.66     0.77   3.08   0.00     2.25   1.32   0.64   0.83   1.54     0.66   2.25   1.11   0.00   0.49   0.14   1.73
    1972-73 SE OF P-VAL   0.29     0.25   1.26   0.31   0.45     0.44   0.23     0.19   2.01   0.00     1.92   0.83   0.30   0.29   1.09     0.67   0.96   0.81   0.00   0.40   0.14   0.79
    1972-73 DELTA-P               -0.32   1.12  -0.45   0.03     0.33  -0.34    -0.23   2.08  -1.00#    1.25   0.92  -0.36  -0.17   0.54    -0.34   1.25   0.11  -1.00# -0.51  -0.86#  0.73
    1972-73 SE OF DP               0.33   1.03   0.35   0.44     0.19   0.20     0.24   1.78   0.29     1.69   0.66   0.35   0.31   0.88     0.66   0.92   0.79   0.29   0.46   0.31   0.57

                AGE: Ad

    1972-73 P-VALUE       1.02     1.56   0.58   1.51   0.37     1.43   0.64     1.04   0.58   1.55     0.36   0.30   1.53   1.67   0.00     0.00   0.29   1.99   1.45   1.01   0.39   1.21
    1972-73 SE OF P-VAL   0.27     0.54   0.42   0.73   0.24     0.46   0.25     0.30   0.59   1.11     0.28   0.22   0.58   0.77   0.00     0.00   0.29   1.02   1.05   0.71   0.27   0.53
    1972-73 DELTA-P                0.54  -0.44   0.49  -0.65*    0.41  -0.38     0.02  -0.44   0.53    -0.66  -0.72*  0.51   0.65  -1.02#   -1.02# -0.73   0.97   0.43  -0.01  -0.63   0.19
    1972-73 SE OF DP               0.48   0.42   0.55   0.32     0.26   0.23     0.10   0.59   1.08     0.34   0.32   0.45   0.62   0.27     0.27   0.38   0.93   0.95   0.72   0.36   0.38

RESPONSE:  13    AGE: 17          TEXT:  Biology, cells, microorganisms, plants, animals.

    1972-73 P-VALUE       6.73     4.78   6.71   6.21   9.75     5.32   8.18     6.21   7.94  12.73     7.40   7.40   5.63   7.45   5.10     9.08   7.05   7.06   4.79   5.56   9.03   5.79
    1972-73 SE OF P-VAL   0.67     0.84   0.76   1.46   1.75     0.81   1.02     0.79   1.30   2.78     2.17   1.61   1.03   1.13   1.54     2.89   1.85   2.02   1.41   1.52   2.02   1.18
    1972-73 DELTA-P               -1.95* -0.02  -0.52   3.02*   -1.41*  1.45*   -0.52*  1.21   6.00*    0.67   0.67  -1.10   0.72  -1.63     2.35   0.32   0.33  -1.94  -1.17   2.30  -0.94
    1972-73 SE OF DP               0.84   0.90   1.14   1.46     0.62   0.64     0.25   1.33   2.89     2.26   1.65   0.63   0.71   1.55     2.60   1.99   1.93   1.45   1.51   1.75   0.89

                AGE: Ad

    1972-73 P-VALUE       4.07     4.02   2.02   2.92   7.01     3.96   4.17     3.78   4.92   7.12     2.16   4.61   4.85   4.90   2.50     2.10   4.97   3.79   7.87   5.10   2.93   3.62
    1972-73 SE OF P-VAL   0.53     1.45   0.74   0.52   1.24     0.69   0.82     0.59   1.65   2.85     0.64   1.09   1.52   0.94   1.90     0.99   1.59   1.02   2.11   1.71   1.18   0.89
    1972-73 DELTA-P               -0.05  -2.05# -1.15   2.94#   -0.11   0.10    -0.29   0.85   3.05    -1.91#  0.54   0.78   0.83  -1.57    -1.97   0.90  -0.28   3.80   1.03  -1.14  -0.45
    1972-71 SE OF DP               1.18   0.76   0.63   1.00     0.57   0.53     0.25   1.62   2.75     0.72   1.14   1.14   0.91   1.94     1.08   1.42   1.06   2.02   1.51   1.14   0.67

RESPONSE:  14    AGE: 17          TEXT:  Human body, medicine, disease, reproduction (human), nutrition.

    1972-73 P-VALUE       1.59     1.44   1.38   1.77   1.71     1.04   2.16     1.63   1.64   0.86     0.80   0.86   1.30   2.02   1.70     1.40   1.03   2.40   1.89   0.91   0.95   2.06
    1972-73 SE OF P-VAL   0.32     0.56   0.59   0.73   0.61     0.40   0.48     0.36   0.90   0.64     0.81   0.52   0.50   0.51   1.11     0.85   0.72   0.95   1.52   0.42   0.58   0.60
    1972-73 DELTA-P               -0.15  -0.21   0.18   0.12    -0.55   0.57     0.04   0.05  -0.73    -0.79  -0.73  -0.29   0.43   0.11    -0.19  -0.56   0.81   0.30  -0.68  -0.64   0.47
    1972-73 SE OF DP               0.49   0.57   0.56   0.55     0.31   0.30     0.13   0.84   0.66     0.82   0.51   0.41   0.31   1.11     0.80   0.73   0.89   1.40   0.46   0.56   0.45

                AGE: Ad

    1972-73 P-VALUE       4.10     3.95   2.08   3.25   6.78     3.59   4.58     4.53   2.66   0.00     1.64   2.98   5.32   6.10   2.03     0.00   1.49   7.84   4.85   4.65   4.01   4.11
    1972-73 SE OF P-VAL   0.44     0.88   0.62   0.71   1.10     0.69   0.78     0.51   1.11   0.00     0.69   0.96   0.92   1.11   1.96     0.00   0.84   2.10   1.34   1.96   1.54   0.90
    1972-73 DELTA-P               -0.15  -2.02# -0.85   2.68#   -0.51   0.48     0.43# -1.44  -4.10#   -2.46# -1.12   1.22   2.00* -2.07    -4.10# -2.61#  3.74   0.75   0.55  -0.09   0.01
    1972-73 SE OF DP               0.77   0.63   0.64   0.87     0.62   0.58     0.15   1.13   0.44     9.69   0.93   0.74   0.96   1.94     0.44   0.93   1.92   1.30   1.83   1.55   0.69

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 303092-34 RU248

Attitude toward reading books about science or scientists.

Part B. If so, what book have you read most recently? (For adults, not asked unless response to Part A was "often" or "sometimes".)

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 15 AGE: 17 TEXT: Evolution, genetics, archeology, fossils.																						
1972-73 P-VALUE	1.28	1.94	0.75	1.05	1.24	1.65	0.90	1.38	0.82	0.63	1.82	0.82	0.94	1.33	2.87	0.53	1.50	1.79	1.72	1.95	0.67	1.08
1972-73 SE OF P-VAL	0.23	0.59	0.37	0.39	0.46	0.38	0.30	0.27	0.51	0.44	1.40	0.55	0.36	0.38	1.70	0.34	0.83	0.83	1.09	0.76	0.46	0.33
1972-73 DELTA-P		0.66	-0.53	-0.23	-0.04	0.37	-0.38	0.10	-0.46	-0.65	0.54	-0.46	-0.34	0.05	1.59	-0.75	0.22	0.51	0.44	0.67	-0.61	-0.20
1972-73 SE OF DP		0.47	0.37	0.34	0.41	0.26	0.26	0.08	0.53	0.46	1.36	0.55	0.34	0.29	1.64	0.39	0.81	0.78	1.03	0.67	0.44	0.30
AGE: Ad																						
1972-73 P-VALUE	1.90	2.58	1.45	1.38	2.20	2.02	1.79	2.19	0.00	1.01	1.02	0.61	1.74	4.09	0.00	0.00	0.85	3.44	0.00	1.36	2.42	2.45
1972-73 SE OF P-VAL	0.49	1.47	0.63	0.87	0.75	0.78	0.59	0.57	0.00	1.05	0.52	0.48	0.65	1.69	0.00	0.00	0.85	1.93	0.00	0.97	1.20	0.98
1972-73 DELTA-P		0.68	-0.45	-0.52	0.30	0.12	-0.11	0.29#	-1.90#	-0.89	-0.88	-1.29*	-0.16	2.19	-1.90#	-1.90#	-1.01	1.54	-1.90#	-0.54	0.52	0.55
1972-73 SE OF DP		1.17	0.68	0.75	0.71	0.50	0.46	0.10	0.49	1.05	0.66	0.63	0.65	1.26	0.49	0.49	0.89	1.73	0.49	0.95	1.19	0.69
RESPONSE: 16 AGE: 17 TEXT: Chemistry, physics, electricity, mechanics.																						
1972-73 P-VALUE	5.92	6.68	5.30	5.05	6.67	7.30	4.50	6.31	4.63	2.28	3.05	2.75	4.07	8.13	6.25	2.26	4.66	4.89	12.14	5.00	5.89	6.34
1972-73 SE OF P-VAL	0.65	1.22	1.08	1.24	1.56	1.06	0.70	0.77	1.10	1.02	1.08	1.13	0.99	0.96	2.43	0.98	0.93	1.55	3.17	1.54	1.56	1.00
1972-73 DELTA-P		0.76	-0.62	-0.87	0.75	1.38*	-1.42*	0.39	-1.29	-3.64#	-2.87#	-3.17#	-1.85*	2.21#	0.33	-3.66#	-1.26	-1.03	6.22*	-0.92	-0.03	0.42
1972-73 SE OF DP		1.05	1.06	1.01	1.32	0.61	0.64	0.20	1.19	1.20	1.11	1.18	0.75	0.58	2.40	1.11	0.94	1.44	2.81	1.39	1.45	0.94
AGE: Ad																						
1972-73 P-VALUE	3.96	6.04	3.42	3.55	2.97	7.25	0.90	3.91	3.76	5.15	2.54	2.44	3.71	7.23	0.00	3.87	5.03	2.86	6.95	3.66	5.69	3.01
1972-73 SE OF P-VAL	0.59	1.33	1.41	1.12	0.88	1.13	0.28	0.66	1.58	2.56	0.97	1.06	0.97	1.48	0.00	2.04	2.28	1.38	2.23	1.08	2.60	0.76
1972-73 DELTA-P		2.08	-0.54	-0.41	-0.99	3.29#	-3.06#	-0.05	-0.20	1.19	-1.42	-1.52	-0.25	3.27#	-3.96#	-0.09	1.07	-1.10	2.99	-0.30	1.73	-0.95
1972-73 SE OF DP		1.12	1.22	0.95	0.85	0.58	0.55	0.25	1.49	2.53	0.86	0.99	0.76	1.26	0.59	1.96	2.13	1.33	2.14	1.05	2.33	0.66
RESPONSE: 17 AGE: 17 TEXT: Science fiction, new discoveries, things in the future.																						
1972-73 P-VALUE	2.55	2.38	2.07	2.44	3.29	3.08	2.01	2.93	0.68	0.48	0.42	0.73	1.81	3.62	3.11	2.64	1.61	2.79	0.95	2.41	2.71	3.15
1972-73 SE OF P-VAL	0.41	0.80	0.63	0.59	1.19	0.63	0.41	0.48	0.35	0.49	0.43	0.45	0.55	0.71	1.46	0.97	0.92	1.34	0.56	1.10	1.11	0.81
1972-73 DELTA-P		-0.17	-0.48	-0.11	0.74	0.53	-0.54	0.38#	-1.87#	-2.07#	-2.13#	-1.82#	-0.74	1.07#	0.56	0.09	-0.94	0.24	-1.60#	-0.14	0.16	0.60
1972-73 SE OF DP		0.68	0.64	0.55	0.96	0.35	0.35	0.11	0.50	0.60	0.51	0.60	0.47	0.39	1.48	0.99	0.96	1.20	0.62	0.96	1.02	0.67
AGE: Ad																						
1972-73 P-VALUE	1.58	0.81	0.65	1.36	3.26	1.47	1.68	1.79	0.28	0.82	0.46	1.06	1.52	3.23	0.82	0.56	0.91	3.46	1.20	2.99	0.74	1.26
1972-73 SE OF P-VAL	0.28	0.36	0.36	0.38	0.84	0.52	0.41	0.33	0.29	0.79	0.17	[illegible]	0.52	0.85	0.82	0.55	0.52	1.49	0.79	1.49	0.52	0.36
1972-73 DELTA-P		-0.77*	-0.93*	-0.22	1.68#	-0.11	0.10	0.21#	-1.30#	-0.76	-1.12#	-0.52	-0.06	1.65*	-0.76	-1.02	-0.67	1.88	-0.38	1.41	-0.84	-0.32
1972-73 SE OF DP		0.38	0.39	0.37	0.64	0.39	0.36	0.08	0.38	0.82	0.29	0.43	0.46	0.67	0.85	0.58	0.52	1.35	0.87	1.38	0.54	0.33
RESPONSE: 18 AGE: 17 TEXT: About scientists, historical scientific events.																						
1972-73 P-VALUE	5.60	6.72	7.17	4.12	4.89	5.44	5.77	5.13	8.50	6.73	3.41	5.81	5.40	6.17	3.97	7.08	6.19	5.89	4.46	3.49	5.56	6.34
1972-73 SE OF P-VAL	0.52	1.34	1.10	0.76	0.85	0.73	0.69	0.59	1.92	2.40	1.27	1.77	1.12	0.72	1.25	1.27	1.59	2.12	1.52	1.17	1.20	1.32
1972-73 DELTA-P		1.12	1.57	-1.48*	-0.71	-0.16	0.17	-0.47	2.90	1.13	-2.19	0.21	-0.20	0.57	-1.63	1.48	0.59	0.29	-1.14	-2.11*	-0.04	0.74
1972-73 SE OF DP		1.05	1.01	0.70	0.81	0.49	0.49	0.27	1.84	2.37	1.19	1.68	0.91	0.55	1.30	1.29	1.60	1.94	1.51	1.03	1.29	1.08
AGE: Ad																						
1972-73 P-VALUE	2.87	3.74	1.58	2.54	3.49	3.20	2.57	3.16	1.93	0.00	0.85	2.49	2.93	5.47	0.00	1.86	1.63	3.89	5.55	2.47	3.27	2.51
1972-73 SE OF P-VAL	0.45	0.96	0.53	0.75	1.16	0.80	0.50	0.49	1.18	0.00	0.52	0.87	0.80	1.19	0.00	0.92	0.84	1.56	1.92	1.10	1.17	0.57
1972-73 DELTA-P		0.87	-1.29*	-0.33	0.62	0.33	-0.30	0.29*	-0.94	-2.87#	-2.02#	-0.38	0.06	2.60#	-2.87#	-1.01	-1.24	1.02	2.68	-0.40	0.40	-0.36
1972-73 SE OF DP		0.83	0.61	0.67	0.91	0.50	0.47	0.14	1.10	0.45	0.54	0.76	0.68	0.96	0.45	0.98	0.79	1.39	1.71	1.00	1.08	0.52
RESPONSE: 19 AGE: 17 TEXT: Other Acceptable Responses: Includes general science books.																						
1972-73 P-VALUE	1.26	1.46	1.00	0.98	1.60	1.59	0.92	1.03	2.54	2.18	2.14	0.31	1.22	1.48	0.35	0.74	2.38	1.32	1.13	0.61	1.46	1.34
1972-73 SE OF P-VAL	0.27	0.70	0.42	0.33	0.59	0.45	0.26	0.30	0.68	1.44	0.87	0.22	0.43	0.49	0.36	0.53	0.89	0.88	0.57	0.53	0.73	0.52
1972-73 DELTA-P		0.20	-0.26	-0.28	0.34	0.33	-0.34	-0.23	1.28	0.92	0.88	-0.95#	-0.04	0.22	-0.91*	-0.52	1.12	0.06	-0.13	-0.65	0.20	0.08
1972-73 SE OF DP		0.54	0.43	0.34	0.51	0.25	0.26	0.12	0.65	1.40	0.84	0.33	0.39	0.31	0.42	0.55	0.87	0.79	0.60	0.53	0.63	0.40
AGE: Ad																						
1972-73 P-VALUE	1.60	1.63	1.77	1.77	1.25	1.21	1.96	1.39	2.35	3.46	1.46	2.98	1.17	1.36	1.75	3.99	2.00	0.99	1.26	3.29	1.86	0.66
1972-73 SE OF P-VAL	0.32	0.48	0.69	0.75	0.60	0.37	0.48	0.34	0.97	1.63	0.46	1.29	0.41	0.56	1.83	2.17	0.90	0.69	0.93	1.88	0.92	0.30
1972-73 DELTA-P		0.03	0.17	0.17	-0.35	-0.39	0.36	-0.21	0.75	1.86	-0.14	1.38	-0.43	-0.24	0.15	2.39	0.40	-0.61	-0.34	1.69	0.26	-0.94#
1972-73 SE OF DP		0.48	0.62	0.59	0.53	0.30	0.28	0.13	0.93	1.57	0.43	1.10	0.37	0.50	1.84	2.02	0.92	0.73	0.87	1.32	0.86	0.35

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303092-34 RU248

Attitude toward reading books about science or scientists.

Part B. If so, what book have you read most recently? (For adults, not asked unless response to Part A was "often" or "sometimes".)

RESPONSE: 02 AGE: 17 TEXT: All Unacceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.29	10.78	11.61	8.21	6.98	9.34	9.24	8.92	11.70	9.79	12.57	9.44	8.50	10.02	12.10	6.83	9.12	9.63	8.62	10.04	10.53	9.46
1972-73 SE OF P-VAL	0.63	1.29	1.14	1.29	1.09	0.91	0.88	0.74	1.62	2.82	3.59	1.10	1.02	1.02	3.03	1.55	2.19	2.18	2.31	2.18	1.90	1.03
1972-73 DELTA-P		1.49	2.32*	-1.08	-2.31*	0.05	-0.05	-0.37	2.41	0.50	3.28	-4.85#	-0.79	0.73	2.81	-2.46	-0.17	-0.66	-0.67	0.75	1.24	0.17
1972-73 SE OF DP		1.07	1.10	1.02	1.01	0.62	0.64	0.29	1.62	2.75	3.44	1.21	0.98	0.64	2.89	1.52	2.22	2.05	2.22	2.02	1.69	0.90

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	16.70	17.61	18.82	15.45	15.49	18.18	15.32	16.46	19.41	15.11	13.72	17.13	17.44	19.11	12.30	18.77	15.61	14.43	13.95	15.03	16.54	18.39
1972-73 SE OF P-VAL	1.21	2.63	2.18	2.65	2.04	1.51	1.78	1.35	3.36	3.51	1.71	2.73	2.09	2.09	6.35	3.87	2.98	2.55	3.13	2.46	3.63	2.29
1972-73 DELTA-P		0.91	2.12	-1.25	-1.21	1.48	-1.38	-0.24	2.71	-1.59	-2.98	0.43	0.74	2.41	-4.40	2.07	-1.09	-2.27	-2.75	-1.67	-0.16	1.69
1972-73 SE OF DP		2.29	2.06	2.12	1.84	1.17	1.08	0.45	3.25	3.48	1.52	2.36	1.58	1.67	4.32	3.77	2.92	2.52	3.36	2.46	3.37	1.53

RESPONSE: 20 AGE: 17 TEXT: Sociology and psychology.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.47	1.81	0.71	1.48	1.69	0.98	1.97	1.56	0.62	2.04	0.40	0.25	0.66	2.41	1.38	1.15	0.28	0.75	2.88	1.99	1.71	1.36
1972-73 SE OF P-VAL	0.34	0.65	0.41	0.71	0.76	0.38	0.52	0.36	0.46	1.33	0.41	0.25	0.33	0.63	1.37	0.80	0.28	0.43	1.66	1.17	0.84	0.44
1972-73 DELTA-P		0.34	-0.76	0.01	0.22	-0.49	0.50	0.09	-0.85	0.57	-1.07*	-1.22#	-0.81*	0.94#	-0.09	-0.32	-1.19#	-0.72	1.41	0.52	0.24	-0.11
1972-73 SE OF DP		0.56	0.47	0.56	0.66	0.31	0.31	0.08	0.44	1.25	0.51	0.41	0.38	0.35	1.27	0.79	0.34	0.50	1.50	1.02	0.76	0.42

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.57	3.08	1.66	2.83	2.57	2.84	2.32	2.84	1.31	0.66	1.22	2.08	2.67	4.47	0.00	1.29	0.93	4.94	3.65	2.41	1.45	2.69
1972-73 SE OF P-VAL	0.34	0.74	0.58	0.85	0.47	0.53	0.39	0.39	0.92	0.65	0.48	0.72	0.67	0.97	0.00	0.71	0.72	1.16	1.57	1.12	0.75	0.55
1972-73 DELTA-P		0.51	-0.91	0.26	0.00	0.27	-0.25	0.27*	-1.26	-1.91#	-1.35#	-0.49	0.10	1.90*	-2.57#	-1.28	-1.64*	2.27*	1.08	-0.16	-1.12	0.12
1972-73 SE OF DP		0.64	0.56	0.66	0.47	0.32	0.30	0.12	0.89	0.72	0.49	0.71	0.55	0.81	0.34	0.70	0.72	1.11	1.51	1.02	0.70	0.41

RESPONSE: 21 AGE: 17 TEXT: Economics and other math topics.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.18	0.00	0.00	0.22	0.49	0.23	0.13	0.20	0.00	0.33	0.26	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.41	0.05
1972-73 SE OF P-VAL	0.12	0.00	0.00	0.22	0.43	0.19	0.13	0.14	0.00	0.33	0.26	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.40	0.05
1972-73 DELTA-P		-0.18	-0.18	0.04	0.31	0.05	-0.05	0.02	-0.18	0.15	0.08	-0.18	0.34	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	0.45	0.23	-0.13
1972-73 SE OF DP		0.12	0.12	0.18	0.33	0.12	0.12	0.03	0.12	0.33	0.27	0.12	0.26	0.12	0.12	0.12	0.12	0.12	0.12	0.54	0.35	0.12

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.21	0.11	0.54	0.00	0.26	0.44	0.00	0.25	0.00	0.00	0.00	0.98	0.00	0.21	0.00	0.00	0.00	0.21	0.89	0.98	0.00	0.00
1972-73 SE OF P-VAL	0.12	0.11	0.44	0.00	0.26	0.25	0.00	0.14	0.00	0.00	0.00	0.70	0.00	0.15	0.00	0.00	0.00	0.21	0.86	0.79	0.00	0.00
1972-73 DELTA-P		-0.10	0.33	-0.21	0.05	0.23	-0.21	0.04*	-0.21	-0.21	-0.21	0.77	-0.21	0.00	-0.21	-0.21	-0.21	0.00	0.68	0.77	-0.21	-0.21
1972-73 SE OF DP		0.14	0.36	0.12	0.21	0.13	0.12	0.02	0.12	0.12	0.12	0.59	0.12	0.16	0.12	0.12	0.12	0.22	0.79	0.71	0.12	0.12

RESPONSE: 22 AGE: 17 TEXT: Technical manuals--if the one mentioned is not acceptable.

Response did not occur at this age.

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.19	0.21	0.28	0.29	0.00	0.23	0.16	0.23	0.00	0.00	0.00	0.87	0.16	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.60	0.15
1972-73 SE OF P-VAL	0.11	0.22	0.29	0.29	0.00	0.17	0.16	0.13	0.00	0.00	0.00	0.62	0.17	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.66	0.16
1972-73 DELTA-P		0.0[illegible]	0.09	0.10	-0.19	0.04	-0.03	0.04*	-0.19	-0.19	-0.19	0.68	-0.03	-0.19	-0.19	-0.19	-0.19	0.22	-0.19	-0.19	0.49	-0.04
1972-73 SE OF DP		0.19	0.25	0.22	0.11	0.12	0.11	0.02	0.11	0.11	0.11	0.52	0.15	0.11	0.11	0.11	0.11	0.37	0.11	0.11	0.59	0.14

RESPONSE: 23 AGE: 17 TEXT: Respondent names a science article in either a magazine or general reference book.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.37	0.61	0.25	0.35	0.21	0.39	0.35	0.38	0.33	0.36	0.70	0.00	0.10	0.49	1.12	0.20	0.00	0.43	0.59	0.00	0.40	0.59
1972-73 SE OF P-VAL	0.13	0.35	0.24	0.24	0.15	0.21	0.15	0.15	0.27	0.34	0.48	0.00	0.09	0.23	1.10	0.20	0.00	0.43	0.37	0.00	0.39	0.30
1972-73 DELTA-P		0.24	-0.12	-0.02	-0.16	0.02	-0.02	0.01	-0.04	-0.01	0.33	-0.37#	-0.27	0.12	0.75	-0.17	-0.37#	0.06	0.22	-0.37#	0.03	0.22
1972-73 SE OF DP		0.27	0.23	0.20	0.17	0.13	0.13	0.04	0.27	0.35	0.47	0.13	0.14	0.14	1.04	0.22	0.13	0.39	0.36	0.13	0.34	0.23

AGE: Ad

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.16	2.64	2.23	1.81	2.05	2.86	1.51	2.16	2.61	1.32	1.80	1.15	2.23	3.22	1.24	4.34	3.83	1.54	0.60	2.29	0.71	2.22
1972-73 SE OF P-VAL	0.43	1.44	0.51	0.60	0.61	0.62	0.43	0.50	1.06	0.92	0.55	0.70	0.71	0.98	1.24	1.63	1.36	0.75	0.64	1.05	0.69	0.67
1972-73 DELTA-P		0.48	0.07	-0.35	-0.11	0.70*	-0.65*	0.00	0.45	-0.84	-0.36	-1.01	0.07	1.06	-0.92	2.18	1.67	-0.62	-1.56*	0.13	-1.45	0.06
1972-73 SE OF DP		1.13	0.58	0.59	0.60	0.33	0.30	0.15	1.08	0.96	0.64	0.52	0.53	0.72	1.27	1.57	1.19	0.78	0.71	0.84	0.77	0.43

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303092-34 R0248

Attitude toward reading books about science or scientists.

Part B. If so, what book have you read most recently? (For adults, not asked unless response to Part A was "often" or "sometimes".)

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 24 AGE: 17 TEXT: Respondent names a science reference book: Merck Index, Handbook of Physics and Chemistry, etc.																						
1972-73 P-VALUE	0.12	0.16	0.39	0.00	0.00	0.08	0.16	0.10	0.29	0.00	0.68	0.36	0.00	0.00	0.73	0.39	0.00	0.00	0.00	0.00	0.00	0.28
1972-73 SE OF P-VAL	0.07	0.15	0.29	0.00	0.00	0.08	0.11	0.07	0.29	0.00	0.68	0.36	0.00	0.00	0.75	0.39	0.00	0.00	0.00	0.00	0.00	0.20
1972-73 DELTA-P		0.04	0.27	-0.12	-0.12	-0.04	0.04	-0.02	0.17	-0.12	0.56	0.24	-0.12	-0.12	0.61	0.27	-0.12	-0.12	-0.12	-0.12	-0.12	0.16
1972-73 SE OF DP		0.12	0.24	0.07	0.07	0.07	0.07	0.04	0.27	0.07	0.64	0.33	0.07	0.07	0.72	0.36	0.07	0.07	0.07	0.07	0.07	0.14
AGE: Ad																						
1972-73 P-VALUE	0.30	0.24	0.44	0.22	0.32	0.42	0.19	0.28	0.00	1.21	0.49	0.09	0.38	0.19	0.00	0.56	0.00	0.00	0.00	0.00	0.60	0.47
1972-73 SE OF P-VAL	0.11	0.24	0.28	0.22	0.16	0.21	0.09	0.11	0.00	1.21	0.31	0.09	0.26	0.18	0.00	0.55	0.00	0.00	0.00	0.00	0.50	0.24
1972-73 DELTA-P		-0.06	0.14	-0.08	0.02	0.12	-0.11	-0.02	-0.30#	0.91	0.19	-0.21	0.08	-0.11	-0.30#	0.26	-0.30#	-0.30#	-0.30#	-0.30#	0.30	0.17
1972-73 SE OF DP		0.20	0.24	0.18	0.16	0.12	0.11	0.06	0.11	1.16	0.26	0.14	0.20	0.19	0.11	0.54	0.11	0.11	0.11	0.11	0.45	0.17
RESPONSE: 25 AGE: 17 TEXT: Other Unacceptable Responses.																						
1972-73 P-VALUE	7.16	8.22	10.26	6.17	4.61	7.67	6.64	6.71	10.46	7.06	10.54	3.84	7.24	7.12	8.87	5.10	8.84	7.45	5.16	7.43	8.01	7.19
1972-73 SE OF P-VAL	0.64	1.25	1.29	1.32	1.03	0.83	0.90	0.73	1.67	2.27	3.40	1.16	0.98	1.03	2.11	1.42	2.19	2.23	1.53	1.90	2.34	1.05
1972-73 DELTA-P		1.06	3.10#	-0.99	-2.55#	0.51	-0.52	-0.45	3.30*	-0.10	3.38	-3.32#	0.08	-0.04	1.71	-2.06	1.68	0.29	-2.06	0.27	0.85	0.03
1972-73 SE OF DP		1.05	1.19	1.64	0.98	0.57	0.58	0.29	1.61	2.22	3.36	1.26	0.84	0.62	2.04	1.44	2.19	2.08	1.62	1.80	2.01	0.92
AGE: Ad																						
1972-73 P-VALUE	11.27	11.33	13.67	10.31	10.29	11.40	11.15	10.71	15.49	11.93	10.20	11.96	12.00	11.03	11.05	12.59	10.84	7.43	8.81	9.35	13.10	12.86
1972-73 SE OF P-VAL	1.09	2.43	2.34	2.08	1.91	1.23	1.71	1.16	3.14	3.03	1.76	2.57	1.50	1.83	4.16	3.53	2.47	1.88	1.94	2.14	3.99	1.97
1972-73 DELTA-P		0.06	2.40	-0.96	-0.98	0.13	-0.12	-0.56	4.22	0.66	-1.07	0.69	0.73	-0.24	-0.22	1.32	-0.43	-3.84	-2.46	-1.92	1.83	1.59
1972-73 SE OF DP		2.07	2.09	1.74	1.69	1.06	0.99	0.39	2.87	3.05	1.43	2.18	1.12	1.47	4.08	3.38	2.45	1.95	2.13	2.07	3.49	1.36
RESPONSE: 39 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.87	5.07	6.60	8.18	7.53	6.77	6.97	7.41	3.15	6.56	2.45	6.82	7.86	7.15	3.97	10.83	2.75	6.83	6.87	5.83	7.14	7.25
1972-73 SE OF P-VAL	0.68	1.28	1.38	1.47	1.02	0.97	1.03	0.75	1.07	2.10	0.97	1.91	1.47	0.87	2.44	2.47	0.96	2.00	2.79	1.95	1.46	1.14
1972-73 DELTA-P		-1.80	-0.27	1.31	0.66	-0.10	0.10	0.54#	-3.72#	-0.31	-4.42#	-0.05	0.99	0.28	-2.90	3.96	-4.12#	-0.04	0.00	-1.04	0.27	0.38
1972-73 SE OF DP		1.09	1.28	1.14	1.01	0.72	0.74	0.21	1.00	2.18	1.03	2.01	1.07	0.66	2.35	2.32	1.08	1.83	2.63	1.66	1.41	1.07
AGE: Ad																						
1972-73 P-VALUE	8.96	8.30	14.40	5.90	8.39	8.05	9.80	8.70	10.93	9.20	9.28	12.32	8.70	6.94	7.51	10.24	9.00	8.26	4.34	8.59	11.23	9.26
1972-73 SE OF P-VAL	1.05	1.75	3.31	1.33	1.66	1.12	1.53	1.20	2.15	2.54	1.37	3.34	1.53	1.45	3.72	2.50	2.59	3.19	1.95	2.16	5.02	1.45
1972-73 DELTA-P		-0.66	5.44*	-3.06*	-0.57	-0.91	0.84	-0.26	1.97	0.24	0.32	3.36	-0.26	-2.02	-1.45	1.28	0.04	-0.70	-4.62*	-0.37	2.27	0.30
1972-73 SE OF DP		1.64	2.66	1.34	1.54	0.88	0.82	0.32	2.11	2.69	1.06	2.73	1.28	1.33	3.78	2.93	2.63	2.93	2.25	2.20	4.37	1.16

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101003-1

72-73 Report #: UB101

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple part short answer
Scoring Type: Professional
Administration Mode: Individual

Age: 9
72-73 Package-Exercise: 08-01

72-73 National P-val:

UB101-1	8.16
UB101-2	3.66
UB101-3	1.51

ming: No paced tape was used in this individually administered exercise.

EXERCISE: 101003-1 0B101

This unreleased non-chance exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part 1.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.24	5.72	9.22	7.87	6.20	6.26	8.25	6.52	9.75	10.40	10.08	7.99	7.58	5.51	8.92	9.90	10.88	3.16	7.64	6.43	8.75	6.71
1972-73 SE OF P-VAL	0.78	1.62	1.74	1.48	1.27	0.86	1.07	0.79	1.65	3.43	2.93	2.27	1.36	0.97	1.72	2.60	2.07	0.96	1.56	1.63	1.67	1.28
1972-73 DELTA-P		-1.52	1.98	0.63	-1.04	-0.98	1.01	-0.72*	2.51	3.16	2.84	0.74	0.34	-1.73	1.68	2.66	3.64	-4.08#	0.40	-0.81	1.51	-0.53
1972-73 SE OF DP		1.37	1.48	1.27	1.19	0.57	0.59	0.36	1.41	3.23	2.98	2.09	0.99	0.87	1.37	2.28	1.87	1.09	1.39	1.48	1.59	0.91

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.16	10.09	5.39	7.80	9.24	7.88	8.45	9.09	3.66	6.80	4.43	8.79	6.11	10.93	6.51	3.79	4.76	10.55	5.73	8.48	12.79	7.81
1972-73 SE OF P-VAL	0.73	2.17	0.79	1.06	1.40	1.00	1.10	0.85	1.04	2.95	2.19	2.22	1.26	1.17	1.59	0.97	1.62	2.37	1.16	1.80	2.94	1.35
1972-73 DELTA-P		1.93	-2.77#	-0.36	1.08	-0.28	0.29	0.93#	-4.50#	-1.36	-3.73	0.63	-2.05	2.77#	-1.65	-4.37#	-3.40*	2.39	-2.43	0.32	4.63	-0.35
1972-73 SE OF DP		1.69	0.94	1.03	1.24	0.74	0.77	0.32	1.11	2.86	2.05	2.14	1.11	0.92	1.32	1.11	1.63	2.19	1.27	1.61	2.60	1.22

RESPONSE: 03 AGE: 9 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	23.84	27.41	27.22	16.21	25.37	23.78	23.90	23.25	24.74	28.89	26.52	21.96	20.42	21.31	31.12	22.92	24.47	26.47	26.98	23.18	16.77	25.35
1972-73 SE OF P-VAL	1.38	2.10	2.87	2.40	3.63	1.70	1.65	1.49	3.03	4.55	5.93	5.24	2.17	1.93	2.39	2.83	3.55	3.14	4.61	3.37	2.82	2.36
1972-73 DELTA-P		3.57	3.38	-7.63#	1.53	-0.06	0.06	-0.59	0.90	5.05	2.68	-1.88	-3.42	-2.53	7.28#	-0.92	0.63	2.63	3.14	-0.66	-7.07#	1.51
1972-73 SE OF DP		2.03	2.50	2.16	2.96	0.93	0.96	0.59	2.81	4.10	5.65	4.98	1.92	1.42	1.72	3.13	3.39	2.94	4.27	2.81	2.53	1.83

EXERCISE: 101003-1 0B101

Part 2.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	23.27	22.80	24.90	24.32	21.02	22.06	24.53	23.36	22.90	22.97	23.78	25.35	24.26	19.79	27.12	26.84	23.31	24.02	25.51	19.46	27.75	20.84
1972-73 SE OF P-VAL	1.42	2.86	2.76	3.21	2.34	1.79	1.59	1.61	2.88	4.13	5.12	4.86	2.14	2.00	2.58	4.76	3.41	3.80	3.36	3.13	3.22	2.56
1972-73 DELTA-P		-0.47	1.63	1.05	-2.25	-1.21	1.26	0.09	-0.37	-0.30	0.47	2.98	0.99	-3.48#	3.85	3.57	0.04	0.75	2.24	-3.81	4.48	-2.43
1972-73 SE OF DP		2.46	2.86	2.59	2.21	0.92	0.96	0.56	2.68	4.01	4.96	5.03	1.68	1.36	1.93	4.42	3.32	3.42	3.23	2.88	3.05	1.99

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.66	2.87	2.32	3.94	5.46	4.77	2.50	4.06	1.14	4.42	1.24	2.10	3.13	4.55	3.57	2.01	1.67	5.75	1.75	3.82	6.30	3.15
1972-73 SE OF P-VAL	0.39	0.79	0.45	0.84	0.93	0.70	0.54	0.44	0.53	1.96	0.74	1.47	0.86	0.77	0.86	0.93	0.95	1.79	0.86	1.18	1.11	0.73
1972-73 DELTA-P		-0.79	-1.34#	0.28	1.80*	1.11*	-1.16*	0.40*	-2.52#	0.76	-2.42#	-1.56	-0.53	0.89	[illegible]	-1.65	-1.99*	2.09	-1.91	0.16	2.64#	-0.51
1972-73 SE OF DP		0.69	0.51	0.69	0.76	0.47	0.49	0.17	0.54	1.09	0.82	1.41	0.80	0.61	[illegible]	0.96	0.88	1.67	0.96	1.08	1.05	0.59

RESPONSE: 03 AGE: 9 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	34.29	37.64	37.45	25.92	37.08	33.97	34.62	33.99	35.59	35.08	41.44	35.18	32.50	30.63	40.32	35.94	37.31	33.67	35.00	32.68	24.08	38.43
1972-73 SE OF P-VAL	1.60	2.83	3.19	3.09	3.93	1.96	1.81	1.72	3.75	4.25	6.29	5.33	2.19	2.17	2.50	4.71	4.15	3.82	4.64	3.88	2.65	2.98
1972-73 DELTA-P		3.35	3.16	-8.37#	2.79	-0.32	0.33	-0.30	1.30	0.79	7.15	0.89	-1.79	-3.66*	6.03#	1.65	3.02	-0.62	0.71	-1.61	-10.21#	4.14
1972-73 SE OF DP		2.57	2.83	2.61	3.27	0.98	1.02	0.65	3.35	3.93	6.06	4.91	1.82	1.47	1.81	4.55	4.15	3.52	4.23	3.36	2.75	2.27

EXERCISE: 101003-1 0B101

Part 3.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	35.10	30.47	38.44	39.64	31.62	33.38	36.89	35.22	34.07	35.91	33.45	38.61	34.95	33.70	36.99	33.32	34.84	35.61	40.05	32.94	42.02	31.51
1972-73 SE OF P-VAL	1.65	3.62	2.56	3.47	3.16	2.15	1.95	1.87	4.01	4.45	5.00	5.17	2.74	2.18	2.71	4.62	4.95	4.30	4.38	3.53	3.55	3.14
1972-73 DELTA-P		-4.63	3.34	4.54	-3.48	-1.72	1.79	0.12	-1.03	0.81	-1.65	3.51	-0.15	-1.40	1.89	-1.78	-0.26	0.51	4.95	-2.16	6.92*	-3.59
1972-73 SE OF DP		3.00	2.49	2.86	2.82	1.21	1.25	0.73	3.73	4.31	4.76	5.03	2.04	1.42	2.22	4.54	4.61	4.02	4.12	3.15	3.43	2.42

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.51	2.18	0.97	1.87	0.98	1.79	1.21	1.89	0.14	0.00	0.00	0.00	1.19	2.39	1.05	1.24	0.52	0.40	0.00	2.85	2.32	1.84
1972-73 SE OF P-VAL	0.36	1.09	0.53	0.53	0.54	0.62	0.39	0.45	0.13	0.00	0.00	0.00	0.53	0.78	0.52	0.81	0.38	0.39	0.00	1.06	1.06	0.67
1972-73 DELTA-P		0.63	-0.54	0.36	-0.53	0.28	-0.30	0.38#	-1.37#	-1.51#	-1.51#	-1.51#	-0.32	0.88	-0.46	-0.27	-0.99	-1.11*	-1.51#	1.34	0.81	0.33
1972-73 SE OF DP		0.84	0.53	0.51	0.53	0.37	0.39	0.10	0.38	0.36	0.36	0.36	0.52	0.51	0.52	0.83	0.50	0.49	0.36	0.97	0.85	0.43

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101003-1 UB101

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part 3.

RESPONSE: 03 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	42.86	49.46	40.73	35.35	46.44	42.23	43.52	43.38	40.12	42.58	48.04	38.40	43.40	39.45	47.53	40.54	43.86	43.01	42.19	43.65	31.94	48.04
1972-73 SE OF P-VAL	1.58	3.57	2.42	3.11	3.48	2.01	1.91	1.04	3.95	4.08	5.05	5.46	2.56	2.11	2.77	3.06	4.09	4.57	4.47	3.61	3.66	2.77
1972-73 DELTA-P		6.60*	-2.13	-7.51#	3.58	-0.63	0.66	0.52	-2.74	-0.28	5.18	-4.46	0.54	-3.41*	4.67*	-2.32	1.00	0.15	-0.67	[illegible]	-10.92#	5.18*
1972-73 SE OF DP		2.98	2.37	2.64	2.98	1.14	1.19	0.77	3.73	4.02	5.60	5.21	2.17	1.56	2.03	3.06	4.75	4.06	4.20	3.16	3.55	2.21

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101013-23

72-73 Report #: UP102

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple part multiple choice
Scoring Type: Machine
Administration Mode: Group

		13	17IS
Age:		13	17IS
72-73 Package-Exercise:		06-30	02-11
72-73 National P-val:			
	UP102A	73.15	87.60
	UP102B	51.37	65.65
	UP102C	53.99	64.55
	UP102D	83.93	91.95
	UP102E	42.04	67.79
Timing: (in seconds)			
UP102	Introduction:	14	14
	Stimulus:	9	9
	Response:	11	10
	I don't know:	5	5
	Pause:	4	4
UP102A	Part total:	29	28
	Stimulus:	10	9
	Response:	10	10
	I don't know:	1	1
	Pause:	4	5
UP102B	Part total:	25	25
	Stimulus:	10	10
	Response:	11	10
	I don't know:	1	1
	Pause:	4	4
	Turn page:	(6)	(6)
UP102C	Part total:	26**	25**
	Stimulus:	9	9
	Response:	11	10
	I don't know:	1	1
	Pause:	4	4
UP102D	Part total:	25	24
	Stimulus:	10	11
	Response:	12	10
	I don't know:	1	1
	Pause:	6	4
UP102E	Part total:	29	26
UP102	Exercise total:	148	142

**Time to turn page is not included in total times.

EXERCISE: 101013-23 UP102

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	2.18	0.56	0.00	1.25	6.80	2.16	2.20	1.42	8.13	1.63	0.00	2.88	1.96	1.29	5.58	0.00	11.38	0.00	4.37	4.40	2.81	0.00
1972-73 SE OF P-VAL	0.84	0.37	0.00	0.84	3.28	0.94	0.82	0.70	5.23	1.57	0.00	1.30	0.99	0.72	2.55	0.00	11.25	0.00	2.91	4.26	2.05	0.00
1972-73 DELTA-P		-1.62	-2.18#	-0.93	4.62	-0.02	0.02	-0.76	5.95	-0.55	-2.18#	0.70	-0.22	-0.89*	3.40	-2.18#	9.20	-2.18#	2.19	2.22	0.63	-2.18#
1972-73 SE OF DP		0.88	0.84	1.01	2.50	0.28	0.26	0.74	4.68	1.15	0.84	1.08	0.75	0.36	1.92	0.84	10.68	0.84	2.78	4.21	1.96	0.84
AGE: 17																						
1972-73 P-VALUE	0.04	0.15	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
1972-73 SE OF P-VAL	0.04	0.15	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
1972-73 DELTA-P		0.11	-0.04	-0.04	-0.04	0.05	-0.04	0.01	-0.04	-0.04	-0.04	0.12	0.02	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.07
1972-73 SE OF DP		0.11	0.04	0.04	0.04	0.05	0.04	0.01	0.04	0.04	0.04	0.12	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07
RESPONSE: 01* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	73.15	75.92	73.64	76.58	66.04	72.21	74.02	75.67	54.23	73.50	76.04	70.26	70.73	79.29	61.66	74.42	58.67	84.09	72.24	73.90	64.71	74.98
1972-73 SE OF P-VAL	1.46	2.82	2.04	2.77	2.97	1.80	1.91	1.55	3.92	4.39	3.38	3.49	2.27	2.02	3.00	4.39	8.45	3.66	4.90	4.48	2.00	2.67
1972-73 DELTA-P		2.77	0.49	3.43	-7.11#	-0.94	0.87	2.52#	-18.92#	0.35	2.89	-2.89	-2.42	6.14#	-11.49#	1.27	-14.48	10.94#	-0.91	0.75	-8.44#	1.83
1972-73 SE OF DP		2.49	2.56	2.32	2.53	1.21	1.11	0.71	3.63	4.43	3.41	3.40	1.71	1.30	2.53	4.22	8.10	3.44	4.73	4.18	2.04	2.16
AGE: 17																						
1972-73 P-VALUE	87.60	88.32	83.05	90.18	87.68	87.75	87.47	90.35	74.79	79.93	80.23	83.67	87.59	90.16	86.00	85.49	81.50	95.17	87.20	88.05	89.44	86.97
1972-73 SE OF P-VAL	0.89	1.98	1.52	1.44	1.92	1.36	1.12	0.83	2.46	3.11	3.90	2.14	1.59	1.18	2.59	3.56	2.51	1.75	2.03	2.31	2.11	1.85
1972-73 DELTA-P		0.72	-4.55#	2.58	0.08	0.15	-0.13	2.75#	-12.81#	-7.67#	-7.37	-3.93	-0.01	2.56#	-1.60	-2.11	-6.10#	7.57#	-0.40	0.45	1.84	-0.63
1972-73 SE OF DP		1.58	1.44	1.30	1.65	0.93	0.80	0.53	2.12	2.99	3.73	2.08	1.30	0.82	2.51	3.33	2.39	1.71	2.08	2.09	2.10	1.17
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	2.96	2.75	3.81	2.92	2.44	3.05	2.87	2.75	4.43	3.17	2.69	2.97	3.13	2.21	4.79	6.71	3.67	0.69	2.93	1.80	2.75	3.12
1972-73 SE OF P-VAL	0.60	1.05	1.03	1.53	0.88	0.78	0.72	0.69	1.55	1.43	1.24	1.33	0.76	0.69	1.67	3.85	2.17	0.54	1.41	0.82	0.90	0.92
1972-73 DELTA-P		-0.21	0.85	-0.04	-0.52	0.09	-0.09	-0.21	1.47	0.21	-0.27	0.01	0.17	-0.75*	1.83	3.75	0.71	-2.27#	-0.03	-1.16	-0.21	0.16
1972-73 SE OF DP		0.96	0.98	1.16	0.86	0.47	0.43	0.23	1.48	1.51	1.23	1.24	0.56	0.37	1.41	3.46	2.07	0.70	1.39	0.91	0.99	0.77
AGE: 17																						
1972-73 P-VALUE	1.08	0.78	1.09	1.18	1.31	1.20	0.98	0.63	1.14	6.92	4.40	1.37	0.93	0.63	0.62	3.02	0.98	0.44	1.62	2.29	0.00	0.64
1972-73 SE OF P-VAL	0.30	0.46	0.53	0.75	0.54	0.53	0.32	0.21	0.62	2.97	2.97	0.89	0.43	0.27	0.62	2.59	0.65	0.43	1.21	0.88	0.00	0.28
1972-73 DELTA-P		-0.30	0.01	0.10	0.23	0.12	-0.10	-0.45	0.06	5.84*	3.32	0.29	-0.15	-0.45	-0.46	1.94	-0.10	-0.64	0.54	1.21	-1.08#	-0.44
1972-73 SE OF DP		0.43	0.50	0.58	0.50	0.33	0.29	0.25	0.58	2.75	2.77	0.82	0.40	0.32	0.65	2.41	0.65	0.47	1.14	0.76	0.30	0.33

EXERCISE: 101013-23 UP102

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	2.32	0.57	0.13	1.51	6.94	2.34	2.30	1.51	8.39	2.18	0.00	3.31	2.21	1.32	5.69	0.49	11.39	0.00	4.37	4.97	2.91	0.00
1972-73 SE OF P-VAL	0.84	0.37	0.09	0.87	3.28	0.95	0.83	0.70	5.23	1.63	0.00	1.37	1.01	0.72	2.56	0.35	11.25	0.00	2.91	4.26	2.05	0.00
1972-73 DELTA-P		-1.75	-2.19#	-0.81	4.62	0.02	-0.02	-0.81	6.07	-0.14	-2.32#	0.99	-0.11	-1.00#	3.37	-1.83*	9.07	-2.32#	2.05	2.65	0.59	-2.32#
1972-73 SE OF DP		0.89	0.85	1.02	2.50	0.29	0.27	0.74	4.67	1.22	0.84	1.15	0.77	0.37	1.93	0.91	10.68	0.84	2.78	4.21	1.96	0.84
AGE: 17																						
1972-73 P-VALUE	0.06	0.22	0.00	0.00	0.00	0.09	0.04	0.05	0.15	0.00	0.00	0.16	0.06	0.00	0.35	0.00	0.18	0.00	0.00	0.00	0.00	0.11
1972-73 SE OF P-VAL	0.05	0.17	0.00	0.00	0.00	0.09	0.04	0.05	0.16	0.00	0.00	0.16	0.07	0.00	0.35	0.00	0.19	0.00	0.00	0.00	0.00	0.11
1972-73 DELTA-P		0.16	-0.06	-0.06	-0.06	0.03	-0.02	-0.01	0.09	-0.06	-0.06	0.10	0.00	-0.06	0.29	-0.06	0.12	-0.06	-0.06	-0.06	-0.06	0.05
1972-73 SE OF DP		0.13	0.05	0.05	0.05	0.05	0.04	0.02	0.14	0.05	0.05	0.12	0.03	0.05	0.33	0.05	0.17	0.05	0.05	0.05	0.05	0.07
RESPONSE: 01* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	51.37	56.75	44.81	52.47	50.84	46.43	55.95	52.90	42.63	46.63	38.49	48.45	53.38	53.37	48.31	46.46	40.44	59.32	50.50	54.61	48.53	52.24
1972-73 SE OF P-VAL	1.45	2.61	2.64	3.13	2.90	1.83	1.90	1.62	3.54	3.56	5.07	4.34	2.70	1.95	2.92	4.07	4.80	4.17	4.78	4.93	4.67	2.36
1972-73 DELTA-P		5.38*	-6.56#	1.10	-0.53	-4.94#	4.58#	1.53#	-8.74#	-4.74	-12.88#	-2.92	2.01	2.00	-3.06	-4.91	-10.93*	7.95	-0.87	3.24	-2.84	0.87
1972-73 SE OF DP		2.41	2.40	2.50	2.52	1.22	1.14	0.56	3.31	3.64	4.77	4.25	2.04	1.56	2.58	3.84	4.75	[illegible]	4.64	4.45	4.40	2.11

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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EXERCISE: 101013-23 UP102

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	65.65	69.05	59.38	67.66	64.28	64.69	66.48	67.77	57.69	55.42	60.47	61.38	67.63	66.92	61.29	65.60	59.32	76.16	58.00	61.70	68.01	66.73
1972-73 SE OF P-VAL	1.39	2.82	3.03	2.66	2.38	2.00	1.83	1.58	4.08	4.53	4.17	3.51	2.05	1.83	4.45	4.96	5.35	5.66	4.05	2.68	3.35	2.19
1972-73 DELTA-P		3.80	-6.27*	2.01	-1.37	-0.96	0.83	2.12#	-7.96*	-10.23*	-5.18	-4.27	1.98	1.27	-4.36	-0.05	-6.33	10.51*	-7.65*	-3.95	2.36	1.08
1972-73 SE OF DP		2.26	2.75	2.25	2.22	1.42	1.21	0.77	3.87	4.48	4.10	2.89	1.57	1.29	4.34	5.01	5.06	5.28	3.66	2.60	3.20	1.82
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.93	9.29	9.56	9.69	7.13	8.88	8.97	8.78	10.31	8.49	9.39	8.83	10.08	6.88	12.05	15.81	11.23	8.31	12.66	5.27	7.51	7.67
1972-73 SE OF P-VAL	0.77	1.69	2.16	0.90	1.47	0.91	1.12	0.82	1.72	2.61	3.39	3.12	1.19	0.89	2.56	2.29	3.98	2.19	2.86	1.29	1.60	1.45
1972-73 DELTA-P		0.36	0.63	0.76	-1.80	-0.05	0.04	-0.15	1.38	-0.44	0.46	-0.10	1.15	-2.05*	3.12	6.88#	2.30	-0.62	3.73	-3.66#	-1.42	-1.26
1972-73 SE OF DP		1.45	1.78	0.97	1.30	0.71	0.66	0.27	1.56	2.52	3.07	2.73	0.99	0.88	2.34	2.15	3.84	2.08	2.74	1.45	1.57	1.08
AGE: 17																						
1972-73 P-VALUE	5.37	3.91	5.40	5.32	7.13	4.26	6.32	4.96	8.16	4.59	4.89	6.33	5.15	5.12	6.81	4.07	6.03	4.02	7.96	8.22	3.22	4.78
1972-73 SE OF P-VAL	0.60	0.89	1.39	0.84	1.65	0.72	0.86	0.65	1.50	1.75	1.59	1.73	0.95	0.97	2.16	1.67	1.1[illegible]	1.38	3.84	2.16	1.06	0.85
1972-73 DELTA-P		-1.46	0.03	-0.05	1.76	-1.11	0.95	-0.41	2.77*	-0.78	-0.48	0.96	-0.22	-0.25	1.44	-1.30	0.66	-1.35	2.59	2.85	-2.15*	-0.59
1972-73 SE OF DP		0.84	1.22	0.82	1.34	0.56	0.48	0.24	1.34	1.81	1.61	1.57	0.84	0.66	2.12	1.59	1.26	1.35	3.67	1.84	1.06	0.75

EXERCISE: 101013-23 UP102

Part C.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: C0 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.25	0.86	0.00	1.25	6.80	2.15	2.34	1.50	8.13	1.63	0.00	2.88	1.96	1.46	5.58	0.00	11.38	0.52	4.37	4.40	2.81	0.00
1972-73 SE OF P-VAL	0.84	0.48	0.00	0.84	3.28	0.94	0.84	0.71	5.23	1.57	0.00	1.30	0.99	0.73	2.55	0.00	11.25	0.51	2.91	4.26	2.05	0.00
1972-73 DELTA-P		-1.39	-2.25#	-1.00	4.55	-0.10	0.09	-0.75	5.88	-0.62	-2.25#	0.63	-0.29	-0.79*	3.33	-2.25#	9.13	-1.73	2.12	2.15	0.56	-2.25#
1972-73 SE OF DP		0.91	0.84	1.01	2.50	0.28	0.26	0.74	4.68	1.16	0.84	1.08	0.75	0.37	1.92	0.84	10.68	0.94	2.78	4.21	1.96	0.84
AGE: 17																						
1972-73 P-VALUE	0.04	0.15	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
1972-73 SE OF P-VAL	0.04	0.15	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
1972-73 DELTA-P		0.11	-0.04	-0.04	-0.04	0.05	-0.04	0.01	-0.04	-0.04	-0.04	0.12	0.02	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.07
1972-73 SE OF DP		0.11	0.04	0.04	0.04	0.05	0.04	0.01	0.04	0.04	0.04	0.12	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	53.99	54.49	54.78	53.37	53.51	54.44	53.57	54.50	47.10	59.65	44.52	53.53	51.23	59.19	49.41	52.74	48.24	60.83	44.50	50.00	52.15	57.50
1972-73 SE OF P-VAL	1.54	2.44	4.13	2.94	2.76	2.00	1.91	1.59	4.21	4.81	5.23	4.60	2.61	1.86	3.14	3.69	6.90	2.56	2.85	4.64	4.27	3.01
1972-73 DELTA-P		0.50	0.79	-0.62	-0.48	0.45	-0.42	0.51	-6.89	5.66	-9.47	-0.46	-2.76	5.20#	-4.58	-1.25	-5.75	6.84#	-9.49#	-3.99	-1.84	3.51
1972-73 SE OF DP		2.34	3.44	2.46	2.50	1.24	1.15	0.67	3.79	4.11	4.90	3.99	2.03	1.59	2.74	3.66	6.61	2.57	3.06	4.33	4.02	2.33
AGE: 17																						
1972-73 P-VALUE	64.55	67.24	62.71	65.83	61.45	69.45	60.36	67.18	53.6[illegible]	54.26	61.40	60.35	59.45	70.25	62.40	62.06	54.75	75.30	59.94	61.89	70.73	64.92
1972-73 SE OF P-VAL	1.36	2.48	3.36	1.96	3.05	1.66	1.97	1.53	3.20	4.40	3.83	2.84	2.36	1.71	4.19	4.93	2.85	4.18	3.72	3.82	3.52	2.49
1972-73 DELTA-P		2.69	-1.84	1.28	-3.10	4.90#	-4.19#	2.63#	-10.93#	-10.29*	-3.15	-4.20	-5.10#	5.70#	-2.15	-2.49	-9.80#	10.83#	-4.61	-2.66	6.18	0.37
1972-73 SE OF DP		2.09	2.91	1.89	2.59	1.31	1.20	0.64	3.22	4.23	3.78	2.68	1.80	1.11	3.87	4.95	2.99	3.87	3.63	3.46	3.44	1.97
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	9.08	8.24	9.82	10.07	8.06	7.92	10.15	9.12	10.55	5.84	10.76	12.11	8.94	7.19	12.29	12.00	11.89	9.99	10.81	7.22	7.87	7.99
1972-73 SE OF P-VAL	0.92	1.68	2.71	1.48	1.43	1.00	1.23	1.05	1.81	2.09	3.20	3.25	1.42	1.16	1.89	1.97	2.91	3.12	3.08	2.00	2.02	1.92
1972-73 DELTA-P		-0.84	0.74	0.99	-1.02	-1.16	1.07	0.04	1.47	-3.24	1.68	3.03	-0.14	-1.89*	3.21	2.92	2.81	0.91	1.73	-1.86	-1.21	-1.09
1972-73 SE OF DP		1.52	2.21	1.33	1.37	0.66	0.62	0.32	1.74	2.13	3.09	2.79	1.08	0.92	1.74	2.01	2.84	2.88	2.99	2.08	1.92	1.80
AGE: 17																						
1972-73 P-VALUE	6.55	6.89	6.68	5.17	7.71	3.86	8.85	5.35	11.12	12.20	7.13	7.39	8.10	4.66	9.69	2.97	12.92	4.26	9.32	8.33	3.60	5.58
1972-73 SE OF P-VAL	0.58	1.21	0.77	0.82	1.67	0.63	0.96	0.54	1.78	3.09	1.72	2.11	1.16	0.62	1.93	1.50	1.85	1.57	2.79	2.07	0.98	0.80
1972-73 DELTA-P		0.34	0.09	-1.38	1.16	-2.69#	2.30#	-1.20#	4.57#	5.65	0.58	0.84	1.55	-1.89#	3.14	-3.58*	6.37#	-2.29	2.77	1.78	-2.95#	-0.97
1972-73 SE OF DP		1.00	0.83	0.79	1.35	0.64	0.56	0.32	1.64	2.91	1.63	[illegible].92	0.91	0.57	1.79	1.57	1.70	1.45	2.75	1.82	1.07	0.72

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101013-23 UP102

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

Part D.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.19	0.49	0.12	1.25	6.80	2.18	2.20	1.62	8.23	1.63	0.00	2.88	1.91	1.32	5.69	0.15	11.14	0.00	4.37	4.40	2.91	0.00
1972-73 SE OF P-VAL	0.84	0.36	0.09	0.84	3.28	0.94	0.82	0.70	5.23	1.57	0.00	1.30	0.99	0.72	2.56	0.16	11.25	0.00	2.91	4.26	2.05	0.00
1972-73 DELTA-P		-1.70	-2.07*	-0.94	4.61	-0.01	0.01	-0.77	6.04	-0.56	-2.19#	0.69	-0.28	-0.87*	3.50	-2.04*	8.95	-2.19#	2.18	2.21	0.72	-2.19#
1972-73 SE OF DP		0.88	0.84	1.01	2.50	0.28	0.26	0.74	4.68	1.15	0.84	1.08	0.75	0.36	1.92	0.85	10.68	0.84	2.78	4.21	1.96	0.84
AGE: 17																						
1972-73 P-VALUE	0.05	0.14	0.00	0.04	0.00	0.09	0.02	0.06	0.00	0.00	0.00	0.16	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.11
1972-73 SE OF P-VAL	0.04	0.15	0.00	0.04	0.00	0.09	0.02	0.05	0.00	0.00	0.00	0.16	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.11
1972-73 DELTA-P		0.09	-0.05	-0.01	-0.05	0.04	-0.03	0.01	-0.05	-0.05	-0.05	0.11	0.01	-0.02	-0.05	-0.05	-0.05	-0.05	-0.05	0.02	-0.05	0.06
1972-73 SE OF DP		0.11	0.04	0.05	0.04	0.05	0.04	0.01	0.04	0.04	0.04	0.12	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.07	0.04	0.07
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	83.93	87.05	81.58	87.88	78.46	83.65	84.19	86.65	68.20	75.90	80.32	79.48	85.20	87.74	74.57	83.69	74.51	91.35	78.08	85.23	82.04	84.84
1972-73 SE OF P-VAL	1.11	1.73	1.98	1.63	3.28	1.41	1.43	1.07	4.20	4.65	4.44	3.57	1.77	1.14	2.47	2.72	9.60	1.99	3.97	4.35	2.73	1.40
1972-73 DELTA-P		3.12	-2.35	3.95#	-5.47*	-0.28	0.26	2.72#	-15.73#	-8.03	-3.61	-4.45	1.27	3.81#	-9.36#	-0.24	-9.42	7.42#	-5.85	1.30	-1.89	0.91
1972-73 SE OF DP		1.66	1.85	1.55	2.60	0.92	0.85	0.73	3.74	4.30	4.30	3.23	1.42	0.89	1.97	2.69	9.04	1.95	3.82	4.22	2.61	1.33
AGE: 17																						
1972-73 P-VALUE	91.95	94.77	89.49	92.31	90.35	90.83	92.91	94.15	82.82	83.23	88.92	90.71	90.94	94.69	83.68	91.08	88.24	93.08	88.03	92.35	92.53	93.18
1972-73 SE OF P-VAL	0.82	1.11	1.73	1.69	2.00	1.24	0.93	0.72	2.58	4.00	2.52	2.14	1.50	0.84	3.79	2.50	2.96	2.57	3.60	2.12	1.38	1.25
1972-73 DELTA-P		2.82#	-2.46	0.36	-1.60	-1.12	0.96	2.20#	-9.13#	-8.72*	-3.03	-1.24	-1.01	2.74#	-8.27*	-0.87	-3.71	1.13	-3.92	0.40	0.58	1.23
1972-73 SE OF DP		1.08	1.57	1.39	1.68	0.77	0.65	0.55	2.21	3.68	2.52	1.81	1.11	0.40	3.55	2.47	2.68	2.34	3.45	2.01	1.41	1.00
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.96	1.88	2.00	2.31	1.60	1.70	2.20	1.96	1.66	2.84	4.63	1.24	2.00	1.21	3.29	1.93	2.23	1.42	3.37	0.64	2.57	2.05
1972-73 SE OF P-VAL	0.31	0.59	0.55	0.66	0.61	0.44	0.41	0.35	0.69	0.89	1.87	0.97	0.51	0.29	0.92	0.95	1.31	0.68	1.37	0.32	0.95	0.85
1972-73 DELTA-P		-0.08	0.04	0.35	-0.36	-0.26	0.24	0.00	-0.30	0.88	2.67	-0.72	0.04	-0.75*	1.33	-0.03	0.27	-0.54	1.41	-1.32#	0.61	0.09
1972-73 SE OF DP		0.52	0.51	0.53	0.53	0.30	0.28	0.11	0.67	0.89	1.75	0.88	0.41	0.31	0.78	0.90	1.26	0.60	1.25	0.41	0.87	0.38
AGE: 17																						
1972-73 P-VALUE	2.07	1.71	1.98	2.15	2.48	3.05	1.21	1.97	2.82	1.74	0.69	1.58	2.97	1.36	5.08	0.97	2.23	3.80	3.42	3.25	0.37	1.49
1972-73 SE OF P-VAL	0.39	0.68	0.72	0.86	0.80	0.71	0.36	0.44	1.07	1.33	0.50	0.92	0.82	0.50	2.02	0.73	0.95	1.84	1.75	1.32	0.38	0.88
1972-73 DELTA-P		-0.36	-0.09	0.08	0.41	0.98*	-0.84*	-0.10	0.75	-0.33	-1.38#	-0.49	0.90	-0.71	3.01	-1.10	0.16	1.73	1.35	1.18	-1.70#	-0.58
1972-73 SE OF DP		0.60	0.67	0.69	0.71	0.41	0.36	0.17	0.99	1.33	0.55	0.93	0.60	0.42	1.93	0.73	0.92	1.67	1.67	1.16	0.52	0.44

EXERCISE: 101013-23 UP102

Part E.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.19	0.49	0.12	1.25	6.80	2.18	2.20	1.62	8.23	1.63	0.00	2.88	1.91	1.32	5.69	0.15	11.14	0.00	4.37	4.40	2.91	0.00
1972-73 SE OF P-VAL	0.84	0.36	0.09	0.84	3.28	0.94	0.82	0.70	5.23	1.57	0.00	1.30	0.99	0.72	2.56	0.16	11.25	0.00	2.91	4.26	2.05	0.00
1972-73 DELTA-P		-1.70	-2.07*	-0.94	4.61	-0.01	0.01	-0.77	6.04	-0.56	-2.19#	0.69	-0.28	-0.87*	3.50	-2.04*	8.95	-2.19#	2.18	2.21	0.72	-2.19#
1972-73 SE OF DP		0.88	0.84	1.01	2.50	0.28	0.26	0.74	4.68	1.15	0.84	1.08	0.75	0.36	1.92	0.85	10.68	0.84	2.78	4.21	1.96	0.84
AGE: 17																						
1972-73 P-VALUE	0.04	0.15	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
1972-73 SE OF P-VAL	0.04	0.15	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
1972-73 DELTA-P		0.11	-0.04	-0.04	-0.04	0.05	-0.04	0.01	-0.04	-0.04	-0.04	0.12	0.02	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.07
1972-73 SE OF DP		0.11	0.04	0.04	0.04	0.05	0.04	0.01	0.04	0.04	0.04	0.12	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	42.04	49.00	40.01	40.34	39.14	45.18	39.14	44.09	31.00	34.50	38.98	28.74	39.97	49.65	33.74	34.36	31.23	55.06	44.21	38.67	38.52	43.77
1972-73 SE OF P-VAL	1.39	2.81	3.35	2.25	2.94	2.17	1.61	1.64	3.40	4.89	6.06	3.35	2.13	2.02	2.57	4.71	6.11	3.46	3.79	4.93	2.93	2.57
1972-73 DELTA-P		6.96#	-2.03	-1.70	-2.90	3.14*	-2.90*	2.05#	-11.04#	-7.54	-3.06	-13.30#	-2.07	7.61#	-8.30#	-7.68	-10.81	13.02#	2.17	-3.37	-3.52	1.73
1972-73 SE OF DP		2.48	2.88	2.01	2.51	1.34	1.24	0.66	3.50	4.91	5.62	3.55	1.61	1.32	2.58	4.69	6.12	3.08	3.81	4.34	3.02	2.18

* The absolute value of this number is greater than 2.0 times its standard error.

# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101013-23 OP102

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

Part E.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	67.79	68.68	62.78	69.22	69.45	71.07	64.30	73.07	46.31	45.96	50.36	56.70	65.40	78.63	45.73	64.31	49.68	73.03	59.36	68.10	72.44	72.31
1972-73 SE OF P-VAL	1.37	2.65	2.76	3.01	2.47	1.39	1.98	1.38	3.13	3.96	4.52	2.91	2.09	1.52	5.65	3.00	2.90	6.54	7.59	3.12	3.61	1.53
1972-73 DELTA-P		0.89	-5.01	1.43	1.66	4.08#	-3.49#	5.28#	-21.48#	-21.03#	-17.43#	-11.01#	-2.39	10.84#	-22.06#	-3.48	-18.11#	5.24	-8.43	0.31	4.65	4.52#
1972-73 SE OF DP		2.24	2.57	2.42	2.25	1.21	1.01	0.91	2.93	3.95	4.36	2.70	1.53	1.26	5.18	3.09	2.88	5.97	7.18	2.88	3.64	1.52
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	10.87	6.89	13.59	11.74	11.23	11.04	10.71	10.21	13.03	15.78	13.61	11.03	10.76	9.11	14.78	14.68	19.31	9.17	8.14	7.84	11.02	10.27
1972-73 SE OF P-VAL	1.08	1.90	1.30	1.84	1.11	1.54	1.10	1.04	2.11	4.76	2.35	2.15	1.64	1.13	3.28	3.53	9.29	2.42	2.14	2.58	1.95	1.06
1972-73 DELTA-P		-3.98*	2.72	0.87	0.36	0.17	-0.16	-0.66	2.16	4.91	2.74	0.16	-0.11	-1.76	3.91	3.81	8.44	-1.70	-2.73	-3.03	0.15	-0.60
1972-73 SE OF DP		1.73	1.48	1.61	2.46	0.81	0.75	0.41	2.06	4.15	2.32	1.97	1.09	0.95	2.75	3.33	8.64	2.27	2.25	2.48	1.95	1.17
AGE: 17																						
1972-73 P-VALUE	6.41	4.74	8.63	5.27	7.80	5.18	7.46	4.87	11.98	14.26	11.66	9.35	6.41	3.95	11.83	6.66	10.72	1.75	14.92	6.40	3.93	5.85
1972-73 SE OF P-VAL	0.62	1.29	1.42	0.89	1.42	0.83	1.03	0.53	2.08	3.95	2.38	1.81	0.95	0.66	5.02	2.65	2.07	0.98	5.22	1.58	1.11	0.75
1972-73 DELTA-P		-1.67	2.22	-1.14	1.39	-1.23	1.05	-1.54#	5.57#	7.85*	5.25*	2.94	0.00	-2.46#	5.42	0.25	4.31*	-4.66#	8.51	-0.01	-2.48*	-0.56
1972-73 SE OF DP		1.05	1.27	0.85	1.22	0.78	0.66	0.47	1.82	3.67	2.25	1.63	0.86	0.68	4.70	2.57	1.95	1.06	4.97	1.46	1.07	0.70

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101022-12

72-73 Report #: UB104

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Semi-professional
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	05-29	05-27
72-73 National P-val:		
UB104	33.73	81.71
Timing: (in seconds)		
Stimulus:	13	15
Response:	22	16
UB104 Exercise total:	35	31

EXERCISE: 101022-12 08104

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.81	0.35	1.39	0.85	0.65	0.94	0.68	0.58	1.38	1.97	2.34	2.05	0.91	0.24	0.90	0.73	1.83	0.83	1.10	0.00	0.60	0.77
1972-73 SE OF P-VAL	0.21	0.33	0.46	0.49	0.33	0.33	0.21	0.17	0.61	0.89	2.30	1.41	0.44	0.17	0.30	0.30	0.86	0.83	0.56	0.00	0.57	0.28
1972-73 DELTA-P		-0.46	0.58	0.04	-0.16	0.13	-0.13	-0.23	0.57	1.16	1.53	1.24	0.10	-0.57*	0.09	-0.08	1.02	0.02	0.29	-0.81#	-0.21	-0.04
1972-73 SE OF DP		0.31	0.39	0.40	0.31	0.19	0.18	0.12	0.48	0.82	2.20	1.34	0.39	0.23	0.24	0.49	0.78	0.75	0.50	0.21	0.54	0.26
AGE: 13																						
1972-73 P-VALUE	1.02	0.85	0.61	0.41	2.64	1.36	0.68	0.67	2.73	2.36	1.58	1.68	0.80	0.74	1.72	0.95	0.95	0.14	0.82	3.93	0.85	0.14
1972-73 SE OF P-VAL	0.65	0.33	0.36	0.21	2.53	1.04	0.32	0.56	0.98	2.08	1.14	1.04	0.45	0.70	0.98	0.67	0.59	0.13	0.61	3.86	0.31	0.11
1972-73 DELTA-P		-0.57	-0.41	-0.61	1.62	0.34	-0.34	-0.35#	1.71*	1.34	0.56	0.66	-0.22	-0.28*	0.70	-0.07	-0.07	-0.88	-0.20	2.91	-0.57	-0.88
1972-73 SE OF DP		0.69	0.70	0.66	1.90	0.42	0.42	0.14	0.76	1.47	0.68	0.73	0.34	0.14	0.46	0.88	0.80	0.65	0.83	3.24	0.70	0.65
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	33.73	33.91	29.37	34.40	37.10	36.90	30.57	37.85	18.10	23.55	32.69	27.97	36.96	39.47	28.06	30.18	15.16	39.84	32.50	36.35	42.49	33.54
1972-73 SE OF P-VAL	1.53	[illegible].89	1.77	3.30	3.02	2.10	1.81	1.74	2.24	5.33	5.84	4.77	2.86	2.33	2.10	5.19	2.15	4.75	4.40	3.74	4.53	2.57
1972-73 DELTA-P		0.18	-4.36*	0.67	3.37	3.17#	-3.16#	4.12#	-15.63#	-10.18*	-1.04	-5.76	3.23	5.74#	-5.67#	-3.55	-18.57#	6.11	-1.23	2.62	8.76*	-0.19
1972-73 SE OF DP		3.19	1.99	2.77	2.64	1.23	1.23	0.74	2.45	5.02	5.77	4.72	2.31	1.70	1.50	4.97	2.60	4.23	3.85	3.65	4.32	2.22
AGE: 13																						
1972-73 P-VALUE	81.71	81.96	76.18	84.99	82.28	83.88	79.53	87.29	53.09	63.23	63.40	70.24	83.27	89.27	70.05	78.95	59.44	86.99	82.06	83.17	86.38	83.40
1972-73 SE OF P-VAL	1.30	2.37	2.86	2.02	3.10	1.56	1.69	0.98	3.14	6.10	5.12	2.94	1.51	1.17	2.98	3.90	6.21	2.30	2.90	4.26	2.48	1.85
1972-73 DELTA-P		0.25	-5.53*	3.28	0.57	2.17*	-2.18*	5.58#	-28.62#	-18.48#	-18.31#	-11.47#	1.56	7.56#	-11.66#	-2.76	-22.27#	5.28*	0.35	1.46	4.67*	1.69
1972-73 SE OF DP		2.16	2.54	1.79	2.54	0.98	0.98	0.89	2.83	5.56	4.62	2.78	1.15	0.96	2.44	3.68	5.84	2.39	3.04	3.72	2.29	1.67
RESPONSE: 03 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	13.67	13.52	14.52	12.41	14.26	12.18	15.15	12.73	15.59	19.39	12.12	16.20	10.48	10.21	18.11	18.05	13.26	13.64	12.89	14.24	13.56	12.85
1972-73 SE OF P-VAL	1.01	2.06	2.12	1.74	2.17	1.19	1.56	1.20	2.05	4.63	3.05	4.15	1.57	1.39	1.72	4.34	2.04	2.36	2.59	3.48	2.80	1.38
1972-73 DELTA-P		-0.15	0.85	-1.26	0.59	-1.49	1.48	-0.94	1.92	5.72	-1.55	2.53	-3.19*	-3.46#	4.44#	4.38	-0.41	-0.03	-0.78	0.57	-0.11	-0.82
1972-73 SE OF DP		1.79	1.82	1.59	1.82	0.97	0.95	0.58	2.05	4.40	3.11	4.08	1.43	1.04	1.12	4.00	2.19	2.17	2.32	3.10	2.50	1.28
AGE: 13																						
1972-73 P-VALUE	5.51	5.10	8.18	4.17	5.21	4.64	6.38	3.79	12.87	14.25	13.45	7.62	4.77	2.19	12.75	7.53	10.41	3.90	8.20	3.72	2.62	5.28
1972-73 SE OF P-VAL	0.68	1.38	1.74	0.89	1.39	0.75	0.88	0.52	2.67	3.27	3.61	2.14	0.86	0.44	1.88	2.18	2.47	1.42	1.96	1.43	1.03	1.19
1972-73 DELTA-P		-0.41	2.67	-1.34	-0.30	-0.87	0.87	-1.72#	7.36#	8.74#	7.94*	2.11	-0.74	-3.32#	7.24#	2.02	4.90*	-1.61	2.69	-1.79	-2.89*	-0.23
1972-73 SE OF DP		1.21	1.47	0.86	1.19	0.47	0.47	0.44	2.36	3.08	3.33	1.98	0.71	0.53	1.55	2.10	2.24	1.30	1.85	1.28	1.16	0.93

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101023-234

72-73 Report #: UB105

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple part short answer
Scoring Type: Professional
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	07-08	09-10	01-10
72-73 National P-val:			
UB105-1	73.75	82.38	83.13
UB.05-2	50.63	61.69	69.92
UB105-3	36.20	45.80	48.96
UB105-4	20.93	27.14	27.35
UB105-5	10.42	14.18	12.81
Timing: (in seconds)			
Stimulus:	6	5	6
Response:	84	83	*
UB105 Exercise total:	90	88	*

*Time not limited by paced tape.

EXERCISE: 101023-234   UB105

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part 1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	8.79	6.40	9.87	9.89	9.05	9.12	8.47	8.43	10.30	10.12	8.98	8.66	6.55	11.02	7.40	7.68	11.71	10.73	9.40	7.20	8.67	8.35
1972-73 SE OF P-VAL	0.78	1.06	2.01	1.67	1.36	1.08	0.98	0.92	1.71	1.94	2.74	2.13	0.96	1.30	1.71	1.94	2.29	2.33	2.63	1.58	1.91	1.31
1972-73 DELTA-P		-2.39*	1.08	1.10	0.26	0.33	-0.32	-0.36	1.51	1.33	0.19	-0.13	-2.24#	2.23#	-1.39	-1.11	2.92	1.94	0.61	-1.59	-0.12	-0.44
1972-73 SE OF DP		1.07	1.67	1.37	1.25	0.68	0.67	0.31	1.64	2.06	2.60	1.86	0.79	0.84	1.77	1.90	2.23	2.10	2.45	1.49	1.69	1.06
AGE: 17																						
1972-73 P-VALUE	5.75	4.78	6.80	4.59	7.29	6.02	5.50	5.55	3.82	12.89	7.31	6.54	5.21	5.18	11.09	5.00	7.05	3.63	7.17	6.41	7.77	5.05
1972-73 SE OF P-VAL	0.67	1.07	1.78	1.19	1.37	0.86	0.84	0.71	0.81	2.56	2.42	1.84	1.19	0.85	3.55	2.05	1.96	1.23	3.24	2.32	1.85	1.21
1972-73 DELTA-P		-0.97	1.05	-1.16	1.54	0.27	-0.25	-0.20	-1.93*	7.14#	1.56	0.79	-0.54	-0.57	5.34	-0.75	1.30	-2.12	1.42	0.66	2.02	-0.70
1972-73 SE OF DP		0.99	1.50	1.02	1.21	0.55	0.51	0.25	0.90	2.43	2.34	1.61	1.01	0.63	3.39	2.02	2.01	1.21	3.05	2.12	1.74	1.03
AGE: Ad																						
1972-73 P-VALUE	4.87	4.77	3.57	4.28	6.70	6.30	3.54	4.93	1.60	10.22	5.13	4.67	6.74	2.69	2.98	7.26	3.32	2.47	3.93	5.61	3.37	5.98
1972-73 SE OF P-VAL	0.67	1.57	0.69	0.98	1.78	1.00	0.80	0.73	0.85	3.23	1.13	1.51	1.46	0.84	2.11	2.06	1.46	1.22	1.37	2.35	1.68	1.25
1972-73 DELTA-P		-0.10	-1.30	-0.59	1.83	1.43*	-1.33*	0.06	-3.27#	5.35	0.26	-0.20	1.87	-2.18*	-1.89	2.39	-1.55	-2.40	-1.44	0.74	-1.50	1.11
1972-73 SE OF DP		1.32	0.85	0.92	1.42	0.62	0.58	0.23	1.05	3.01	0.93	1.29	1.09	0.94	2.17	2.00	1.41	1.28	1.41	2.20	1.52	0.84
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	73.75	71.93	74.40	72.53	76.43	76.25	71.30	77.33	55.50	69.12	68.99	73.52	76.16	73.90	70.33	75.62	55.24	72.15	73.30	72.98	76.22	77.34
1972-73 SE OF P-VAL	1.19	2.56	2.13	2.14	2.55	1.41	1.58	1.19	3.05	4.05	3.75	3.17	2.11	1.31	2.90	3.32	6.04	4.04	3.75	3.58	2.74	1.12
1972-73 DELTA-P		-1.82	0.65	-1.22	2.68	2.50#	-2.45#	3.58#	-18.25#	-4.63	-4.76	-0.23	2.41	0.15	-3.42	1.87	-18.51#	-1.60	-0.45	-0.77	2.47	3.59*
1972-73 SE OF DP		2.13	1.97	1.88	2.18	0.91	0.90	0.74	2.63	4.00	3.34	3.05	1.42	1.09	2.66	3.20	5.55	3.80	3.30	3.40	2.58	1.48
AGE: 17																						
1972-73 P-VALUE	82.38	80.08	82.87	83.79	82.76	85.52	79.52	85.09	72.64	65.62	76.47	82.90	81.27	86.00	57.97	83.98	76.62	83.70	76.52	79.81	79.11	87.12
1972-73 SE OF P-VAL	1.04	2.44	2.16	1.49	2.20	1.28	1.51	1.05	2.44	4.42	3.89	2.77	1.74	1.25	4.97	1.89	3.79	2.32	3.59	3.98	3.80	1.40
1972-73 DELTA-P		-2.30	0.49	1.41	0.38	3.14#	-2.86#	2.71#	-9.74#	-16.76#	-5.91	0.52	-1.11	3.62#	-24.41#	1.60	-5.76	1.32	-5.86	-2.57	-3.27	4.74#
1972-73 SE OF DP		1.98	1.95	1.41	1.89	1.00	0.92	0.58	2.26	4.13	3.57	2.56	1.36	0.91	5.08	2.10	3.67	2.06	3.49	3.52	3.45	1.45
AGE: Ad																						
1972-73 P-VALUE	83.13	76.40	86.47	84.99	84.50	87.01	79.52	86.79	68.70	54.31	79.49	83.34	82.91	88.82	69.64	88.29	74.83	86.03	78.82	84.27	82.09	83.88
1972-73 SE OF P-VAL	1.15	2.92	1.84	2.05	1.99	1.45	1.80	1.05	3.77	5.61	2.13	2.89	1.83	1.65	7.36	2.92	3.43	2.99	3.91	2.37	4.06	2.03
1972-73 DELTA-P		-6.73#	3.34	1.86	1.37	3.88#	-3.61#	3.66#	-14.43#	-28.82#	-3.64*	0.21	-0.22	5.69#	-13.49	5.16	-8.30*	2.90	-4.31	1.14	-1.04	0.75
1972-73 SE OF DP		2.40	1.78	1.74	1.60	1.27	1.13	0.60	3.49	5.60	1.72	2.55	1.31	1.64	7.31	2.71	3.42	3.05	3.71	2.42	3.75	1.41
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.10	3.85	0.91	1.35	2.22	1.73	2.46	1.30	6.59	2.00	3.00	3.62	1.71	1.50	3.38	0.75	7.92	2.63	4.45	1.78	0.80	1.03
1972-73 SE OF P-VAL	0.37	1.09	0.26	0.44	0.74	0.45	0.59	0.29	1.89	1.19	1.33	1.66	0.61	0.45	0.90	0.48	3.01	0.83	1.42	0.80	0.61	0.30
1972-73 DELTA-P		1.75*	-1.19#	-0.75	0.12	-0.37	0.36	-0.80*	4.49#	-0.10	0.90	1.52	-0.39	-0.60	1.28	-1.35*	5.82*	0.53	2.35	-0.32	-1.30*	-1.07*
1972-73 SE OF DP		0.84	0.42	0.48	0.65	0.38	0.37	0.34	1.64	1.13	1.17	1.51	0.46	0.40	0.88	0.55	2.78	0.76	1.26	0.81	0.64	0.43
AGE: 17																						
1972-73 P-VALUE	1.59	2.41	0.90	1.22	1.75	1.63	1.56	1.18	3.67	2.73	1.60	1.99	1.73	0.61	10.74	0.31	3.89	1.20	2.81	1.64	2.29	0.77
1972-73 SE OF P-VAL	0.28	0.77	0.42	0.42	0.47	0.40	0.37	0.30	0.92	1.26	1.14	1.09	0.56	0.24	3.47	0.30	0.99	0.80	1.22	0.93	0.83	0.37
1972-73 DELTA-P		0.82	-0.69	-0.37	0.16	0.04	-0.03	-0.41#	2.08#	1.14	0.01	0.40	0.14	-0.98#	9.15#	-1.28#	2.30*	-0.39	1.22	0.05	0.70	-0.82*
1972-73 SE OF DP		0.60	0.42	0.39	0.44	0.28	0.25	0.16	0.82	1.22	1.04	1.06	0.45	0.29	3.36	0.40	1.01	0.68	1.16	0.83	0.78	0.33
AGE: Ad																						
1972-73 P-VALUE	4.18	5.99	4.25	4.29	2.33	2.87	5.40	2.07	14.07	17.75	6.59	4.42	2.17	1.98	19.10	0.47	6.14	1.94	7.32	1.79	10.04	3.59
1972-73 SE OF P-VAL	0.67	1.98	1.40	0.69	1.13	0.73	1.17	0.44	3.51	5.70	1.49	2.56	0.68	0.70	6.62	0.33	1.88	1.24	1.92	0.83	3.25	1.15
1972-73 DELTA-P		1.81	0.07	0.11	-1.85	-1.31	1.22	-2.11#	9.89#	13.57#	2.41*	0.24	-2.01#	-2.20*	14.92*	-3.71#	1.96	-2.24	3.14	-2.39*	5.86*	-0.59
1972-73 SE OF DP		1.56	1.26	0.81	1.04	0.76	0.68	0.53	3.18	5.33	1.12	2.15	0.79	0.92	6.59	0.73	1.92	1.32	1.96	0.99	2.89	0.79

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101023-234 UB105

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part 2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	12.28	16.70	7.77	11.19	13.08	9.95	14.57	10.47	16.53	27.59	14.19	15.37	11.15	10.56	16.97	9.25	24.72	12.16	19.14	12.95	10.59	8.71
1972-73 SE OF P-VAL	0.99	2.81	1.69	1.86	1.48	1.04	1.39	1.05	2.10	5.17	3.08	2.51	1.19	1.30	2.70	1.89	3.32	2.89	3.90	2.14	2.00	1.68
1972-73 DELTA-P		4.42	-4.51#	-1.09	0.80	-2.33#	2.29#	-1.81#	4.25*	15.31#	1.91	3.09	-1.13	-1.72	4.69*	-3.03	12.44#	-0.12	6.86	0.67	-1.69	-3.57#
1972-73 SE OF DP		2.29	1.58	1.60	1.46	0.73	0.73	0.49	2.09	4.94	2.87	2.18	1.03	0.88	2.29	1.95	3.37	2.61	3.63	2.11	1.88	1.36
AGE: 17																						
1972-73 P-VALUE	10.77	12.36	7.01	11.54	11.42	6.62	14.55	9.45	16.69	16.24	12.48	13.30	10.25	10.04	13.33	8.39	20.34	11.28	10.64	14.26	10.11	6.94
1972-73 SE OF P-VAL	0.90	1.85	1.83	1.82	1.82	0.98	1.18	0.89	2.61	3.91	[illegible]	2.65	1.56	1.19	3.80	2.38	3.84	2.47	2.87	2.26	2.36	1.00
1972-73 DELTA-P		1.59	-3.76*	0.77	0.65	-4.15#	3.78#	-1.32#	5.92#	5.47	1.71	2.53	-0.52	-0.73	2.56	-2.38	9.57#	0.51	-0.13	3.49	-0.66	-3.83#
1972-73 SE OF DP		1.57	1.70	1.49	1.60	0.69	0.63	0.48	2.29	3.70	2.76	2.33	1.30	0.82	3.84	2.38	3.58	2.26	2.68	1.97	2.20	0.99
AGE: Ad																						
1972-73 P-VALUE	11.22	12.94	5.48	11.41	14.15	7.61	14.58	10.20	13.63	22.27	12.98	10.25	9.57	10.36	23.85	14.77	12.83	16.09	15.70	8.71	6.51	9.68
1972-73 SE OF P-VAL	0.86	1.88	1.12	1.30	2.15	1.03	1.28	0.92	1.99	4.19	1.72	2.43	1.45	2.09	5.54	3.95	1.74	2.98	3.27	2.03	1.77	1.31
1972-73 DELTA-P		1.72	-5.74#	0.19	2.93	-3.61#	3.36#	-1.02#	2.41	11.05#	1.76	-0.97	-1.65	-0.86	12.63*	3.55	1.61	4.87	4.48	-2.51	-4.71#	-1.54
1972-73 SE OF DP		1.61	1.17	1.20	1.72	0.81	0.78	0.32	2.02	4.00	1.52	2.17	1.47	1.69	5.61	3.63	1.93	2.78	3.16	1.96	1.59	0.99
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	50.63	42.11	64.45	50.48	46.83	59.57	41.84	55.41	29.77	35.35	45.71	46.11	51.42	55.00	41.36	52.22	25.42	46.25	45.98	41.66	52.71	62.44
1972-73 SE OF P-VAL	1.73	3.37	2.49	3.85	3.61	1.87	2.04	1.94	2.44	4.65	5.01	3.82	2.32	2.65	2.80	3.98	2.31	3.95	5.35	4.00	3.30	3.15
1972-73 DELTA-P		-8.52#	13.82#	-0.15	-3.80	8.94#	-8.79#	4.78#	-20.86#	-15.28#	-4.92	-4.52	0.79	4.37#	-9.27#	1.59	-25.21#	-4.38	-4.65	-8.97*	2.08	11.81#
1972-73 SE OF DP		3.00	2.47	3.12	3.13	0.96	0.97	0.83	2.52	4.63	4.62	3.32	2.02	1.69	2.48	3.77	2.79	3.98	5.13	3.84	3.01	2.45
AGE: 17																						
1972-73 P-VALUE	61.69	58.60	75.61	58.66	56.44	73.36	51.04	66.00	41.15	46.42	57.11	56.71	64.04	63.79	42.46	66.42	46.46	61.44	50.03	51.86	63.17	72.38
1972-73 SE OF P-VAL	1.64	2.99	2.78	3.85	3.18	1.95	2.06	1.76	3.02	4.27	5.03	3.61	2.76	2.11	6.12	7.31	4.94	4.43	6.83	3.41	4.00	2.22
1972-73 DELTA-P		-3.09	13.92#	-3.03	-5.25	11.67#	-10.65#	4.31#	-20.54#	-15.27#	-4.58	-4.98	2.35	2.10	-19.23#	4.73	-15.23#	-0.25	-11.66	-9.83#	1.48	10.69#
1972-73 SE OF DP		2.65	2.74	3.00	2.87	1.34	1.26	0.84	2.82	4.15	4.46	3.20	2.11	1.50	6.10	6.89	4.59	4.06	6.31	3.42	3.86	2.09
AGE: Ad																						
1972-73 P-VALUE	69.92	64.26	81.85	67.45	68.06	80.65	59.94	74.79	48.48	35.80	65.17	67.93	71.98	76.72	46.74	68.78	55.74	70.42	59.50	72.94	70.96	74.35
1972-73 SE OF P-VAL	1.51	3.02	2.76	2.62	3.18	1.43	2.14	1.48	3.61	5.55	2.59	3.78	2.16	2.46	7.53	4.64	3.92	4.26	6.08	5.21	4.47	2.39
1972-73 DELTA-P		-5.66*	11.93#	-2.47	-1.86	10.73#	-9.98#	4.87#	-21.44#	-34.12#	-4.75*	-1.99	2.06	6.80#	-23.18#	-1.14	-14.18#	0.50	-10.42	3.02	1.04	4.43*
1972-73 SE OF DP		2.64	2.45	2.28	2.67	1.19	1.03	0.64	3.45	5.27	2.16	3.02	1.84	1.97	7.79	4.32	3.98	3.98	6.01	4.93	4.07	1.79
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.61	7.81	1.52	4.53	4.22	2.79	6.40	3.98	7.71	5.68	4.52	4.56	4.00	4.37	6.67	4.80	11.51	7.11	5.16	3.55	3.38	2.90
1972-73 SE OF P-VAL	0.53	1.38	0.51	0.90	1.03	0.52	0.85	0.52	2.08	2.26	1.68	1.78	0.77	0.74	1.37	1.47	4.14	1.43	1.77	1.13	0.92	0.59
1972-73 DELTA-P		3.20#	-3.09#	-0.08	-0.39	-1.82#	1.79#	-0.63	3.10	1.07	-0.09	-0.05	-0.61	-0.24	2.06	0.19	6.90	2.50	0.55	-1.06	-1.23	-1.71#
1972-73 SE OF DP		1.08	0.55	0.81	0.91	0.47	0.46	0.36	1.82	2.16	1.54	1.69	0.57	0.55	1.24	1.39	3.88	1.26	1.60	1.17	0.92	0.66
AGE: 17																						
1972-73 P-VALUE	2.78	5.25	1.18	1.69	2.80	1.63	3.83	2.58	3.86	3.27	3.04	1.71	3.35	1.93	10.73	0.73	3.78	3.18	4.25	5.49	2.84	1.13
1972-73 SE OF P-VAL	0.45	1.28	0.51	0.45	0.93	0.43	0.81	0.51	1.10	1.35	1.59	0.73	0.76	0.58	3.47	0.49	1.47	1.29	1.39	1.76	0.90	0.63
1972-73 DELTA-P		2.47#	-1.60#	-1.09*	0.02	-1.15*	1.05*	-0.20	1.08	0.49	0.26	-1.07	0.57	-0.85	7.95*	-2.05#	1.00	0.00	1.47	2.71	0.06	-1.65#
1972-73 SE OF DP		0.98	0.59	0.54	0.81	0.50	0.45	0.20	1.04	1.28	1.59	0.78	0.58	0.43	3.26	0.64	1.38	1.16	1.36	1.49	1.00	0.57
AGE: Ad																						
1972-73 P-VALUE	4.95	7.14	4.83	5.19	2.76	3.65	6.16	2.64	15.66	20.07	7.73	5.57	2.78	2.43	19.09	0.67	7.98	2.71	7.32	3.66	10.48	4.17
1972-73 SE OF P-VAL	0.69	1.93	1.37	0.88	1.15	0.76	1.16	0.48	3.32	5.84	1.48	2.58	0.78	0.71	6.62	0.40	1.70	1.71	1.92	1.23	3.27	1.20
1972-73 DELTA-P		2.19	-0.12	0.24	-2.19*	-1.30	1.21	-2.31#	10.71#	15.12#	2.78*	0.62	-2.17#	-2.52#	14.14*	-4.28#	3.03	-2.24	2.37	-1.29	5.53	-0.78
1972-73 SE OF DP		1.53	1.24	0.89	1.05	0.76	0.68	0.51	3.01	5.48	1.12	2.17	0.81	0.91	6.63	0.76	1.83	1.68	1.96	1.32	2.91	0.83

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101023-234 0B105

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part 3.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	30.02	34.10	23.74	30.97	30.54	24.31	35.63	27.07	38.72	50.35	30.18	38.60	29.50	25.23	39.73	28.53	47.33	30.84	42.10	31.69	28.80	21.92
1972-73 SE OF P-VAL	1.33	3.08	2.00	2.96	2.46	1.27	1.83	1.51	1.94	5.02	3.59	3.21	1.70	1.85	3.31	2.76	2.70	3.45	3.91	3.76	2.33	1.62
1972-73 DELTA-P		4.08	-6.28#	0.95	0.52	-5.71#	5.61#	-2.95#	8.70#	20.33#	0.16	8.58#	-0.52	-4.79#	9.71#	-1.49	17.31#	0.82	12.08#	1.67	-1.22	-8.10#
1972-73 SE OF DP		2.62	1.96	2.39	2.22	0.92	0.87	0.60	2.21	4.95	3.28	3.05	1.27	1.29	2.92	2.81	2.96	2.97	3.55	3.38	2.17	1.48
AGE: 17																						
1972-73 P-VALUE	25.66	30.15	18.76	28.55	23.32	19.18	31.57	23.84	31.22	39.10	32.60	21.50	25.38	25.06	32.34	25.73	38.16	23.94	27.96	34.20	24.93	18.36
1972-73 SE OF P-VAL	1.15	1.81	1.76	2.40	2.98	1.28	1.76	1.22	2.58	5.09	4.09	3.01	2.10	1.64	4.62	4.68	4.17	3.40	3.32	3.47	3.06	1.54
1972-73 DELTA-P		4.49#	-6.90#	2.89	-2.34	-6.40#	5.91#	-1.82#	5.56*	13.44#	6.94	-4.16	-0.28	-0.60	6.68	0.07	12.50#	-1.72	2.30	8.54#	-0.73	-7.30#
1972-73 SE OF DP		1.71	1.82	1.95	2.43	1.13	1.04	0.59	2.33	4.82	3.85	2.89	1.72	1.18	4.60	4.42	3.85	3.05	3.27	3.33	2.92	1.53
AGE: Ad																						
1972-73 P-VALUE	30.87	33.10	20.49	33.14	34.84	24.08	37.18	29.19	38.70	41.87	35.18	28.32	30.01	28.18	38.24	29.76	39.54	38.74	36.58	31.10	25.02	27.03
1972-73 SE OF P-VAL	1.52	2.57	2.34	3.13	3.40	2.01	1.94	1.60	4.35	5.23	2.72	3.18	2.33	2.51	6.75	4.47	3.52	4.73	4.67	4.10	4.54	2.34
1972-73 DELTA-P		2.23	-10.38#	2.27	3.97	-6.79#	6.31#	-1.68#	7.83	11.00*	4.31*	-2.55	-0.86	-2.69	7.37	-1.11	8.67*	7.87	5.71	0.23	-5.85	-3.84*
1972-73 SE OF DP		2.41	2.24	2.53	2.82	1.30	1.23	0.59	4.13	4.88	1.96	2.52	1.87	2.40	6.65	4.19	3.62	4.53	4.44	3.80	4.20	1.77
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	36.20	26.67	46.28	35.81	37.23	46.65	25.93	40.29	21.07	16.00	30.66	30.89	36.65	41.58	25.56	40.67	16.72	31.64	33.26	30.09	38.86	43.45
1972-73 SE OF P-VAL	1.56	2.75	3.84	2.57	3.32	1.85	1.83	1.73	2.35	2.39	5.01	4.13	2.42	2.01	2.41	3.54	3.05	5.02	3.35	3.97	3.38	2.87
1972-73 DELTA-P		-9.53#	10.08#	-0.39	1.03	10.45#	-10.27#	4.09#	-15.13#	-20.20#	-5.54	-5.31	0.45	5.38#	-10.64#	4.47	-19.48#	-4.56	-2.94	-6.11	2.66	7.25#
1972-73 SE OF DP		2.58	3.21	2.33	2.83	1.13	0.96	0.69	2.28	2.73	4.35	4.02	1.58	1.48	2.38	3.48	3.26	4.71	3.33	3.74	2.96	2.22
AGE: 17																						
1972-73 P-VALUE	45.80	36.88	55.97	44.28	48.46	58.22	34.46	49.46	27.84	33.95	34.65	45.87	47.62	48.02	27.88	53.79	33.93	41.67	35.59	38.63	50.71	53.51
1972-73 SE OF P-VAL	1.55	2.72	2.54	3.04	3.55	1.85	1.82	1.65	2.56	5.13	4.16	3.48	2.27	2.46	6.34	7.11	4.22	5.05	7.21	3.27	3.95	1.86
1972-73 DELTA-P		-8.92#	10.17#	-1.52	2.66	12.42#	-11.34#	3.66#	-17.96#	-11.85*	-11.15#	0.07	1.82	2.22	-17.92#	7.99	-11.87#	-4.13	-10.21	-7.17*	4.91	7.71#
1972-73 SE OF DP		2.40	2.48	2.52	2.99	1.19	1.14	0.58	2.54	4.83	3.80	3.51	1.87	1.59	6.40	6.70	4.09	4.51	6.68	3.30	3.85	1.81
AGE: Ad																						
1972-73 P-VALUE	48.96	43.69	58.61	45.37	49.87	60.37	38.34	53.53	22.20	29.66	38.19	50.80	52.92	56.06	33.38	55.60	32.55	46.26	43.17	49.24	48.47	53.45
1972-73 SE OF P-VAL	1.45	2.53	3.99	2.42	2.40	2.34	1.88	1.46	3.02	4.60	2.35	2.89	2.30	2.65	7.13	5.38	4.18	5.28	5.91	4.61	4.48	2.01
1972-73 DELTA-P		-5.27*	9.65#	-3.59	0.91	11.41#	-10.62#	4.57#	-26.76#	-19.30#	-10.77#	1.84	3.96*	7.10#	-15.58*	6.64	-16.41#	-2.70	-5.79	0.28	-0.49	4.49#
1972-73 SE OF DP		2.34	3.26	2.15	2.21	1.65	1.49	0.56	2.79	4.38	1.80	2.39	1.92	2.26	7.03	4.73	4.29	5.04	5.79	4.50	4.13	1.54
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	7.45	12.17	2.12	8.07	6.77	4.56	10.29	7.36	7.99	7.33	7.97	6.51	7.51	6.62	9.95	7.74	12.43	12.25	6.83	6.99	5.60	5.73
1972-73 SE OF P-VAL	0.70	1.66	0.60	1.35	1.23	0.77	1.16	0.75	2.08	2.40	2.26	2.04	1.22	1.06	1.63	1.73	3.68	2.61	2.01	1.73	1.36	1.04
1972-73 DELTA-P		4.72#	-5.33#	0.62	-0.68	-2.89#	2.84#	-0.09	0.54	-0.12	0.52	-0.94	0.06	-0.83	2.50	0.29	4.98	4.80*	-0.62	-0.46	-1.85	-1.72
1972-73 SE OF DP		1.30	0.82	1.15	1.13	0.70	0.69	0.35	1.87	2.29	2.08	2.01	0.95	0.82	1.48	1.65	3.46	2.30	1.89	1.62	1.32	1.02
AGE: 17																						
1972-73 P-VALUE	5.79	9.55	2.48	4.83	5.75	2.69	8.62	6.00	4.60	5.53	5.22	5.92	6.21	4.96	13.03	2.77	7.11	6.98	6.30	8.54	3.85	4.91
1972-73 SE OF P-VAL	0.74	2.20	0.69	0.73	1.23	0.67	1.34	0.86	1.29	2.18	1.89	1.81	1.08	0.77	3.77	1.09	2.13	1.71	1.67	1.96	1.27	1.67
1972-73 DELTA-P		3.76*	-3.31#	-0.96	-0.04	-3.10#	2.83#	0.21	-1.19	-0.26	-0.57	0.13	0.42	-0.83	7.24*	-3.02*	1.32	1.19	0.51	2.75	-1.94	-0.88
1972-73 SE OF DP		1.64	0.88	0.88	1.15	0.84	0.75	0.27	1.40	2.04	1.88	1.87	0.73	0.59	3.39	1.27	2.08	1.66	1.66	1.70	1.42	1.21
AGE: Ad																						
1972-73 P-VALUE	6.85	9.44	4.83	8.26	4.55	5.04	8.53	4.76	15.66	22.19	9.25	7.73	4.94	4.48	19.09	2.31	8.77	3.95	8.50	6.51	12.14	6.53
1972-73 SE OF P-VAL	1.04	2.44	1.37	2.36	1.58	1.03	1.48	0.99	3.32	5.87	1.67	2.81	1.27	1.10	6.62	1.60	1.68	1.88	2.10	2.11	3.53	1.70
1972-73 DELTA-P		2.59	-2.02	1.41	-2.30	-1.81*	1.68*	-2.09#	8.81#	15.34#	2.40*	0.88	-1.91*	-2.37	12.24	-4.54#	1.92	-2.90	1.65	-0.34	5.29	-0.32
1972-73 SE OF DP		2.02	1.46	1.87	1.52	0.80	0.72	0.52	3.04	5.49	1.12	2.14	0.92	1.20	6.64	1.51	1.89	1.93	2.13	2.03	3.04	1.01

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101023-234 UB105

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part 4.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	50.10	50.93	43.80	52.59	52.32	45.48	54.64	46.70	60.69	72.14	51.19	58.07	52.20	44.11	57.47	53.79	64.85	46.53	62.33	51.28	49.78	42.15
1972-73 SE OF P-VAL	1.76	4.63	2.20	3.05	3.67	2.13	2.10	1.95	2.80	5.16	5.62	3.21	2.18	2.22	4.82	3.48	3.83	4.35	3.56	3.69	3.35	3.38
1972-73 DELTA-P		0.83	-6.30#	2.49	2.22	-4.62#	4.54#	-3.40#	10.59#	22.04#	1.09	7.97#	2.10	-5.99#	7.32	3.69	14.75#	-3.57	12.23#	1.18	-0.32	-7.95#
1972-73 SE OF DP		3.72	2.38	2.70	3.19	1.22	1.17	0.68	3.03	5.08	5.25	2.94	1.64	1.53	4.11	3.57	3.99	4.10	3.38	3.56	3.12	2.52
AGE: 17																						
1972-73 P-VALUE	46.36	53.90	35.86	48.12	45.23	40.22	51.97	44.40	54.39	56.23	49.68	43.99	47.30	44.79	57.83	42.30	53.52	48.17	57.41	50.97	45.00	39.76
1972-73 SE OF P-VAL	1.36	2.31	2.69	2.57	3.37	1.57	2.10	1.45	2.68	5.47	5.07	3.76	2.43	1.83	4.92	6.41	4.60	3.71	3.63	4.43	4.78	1.95
1972-73 DELTA-P		7.54#	-10.50#	1.76	-1.13	-6.14#	5.61#	-1.96#	8.03#	9.87	3.32	-2.37	0.94	-1.57	11.47*	-4.06	7.16	1.81	11.05#	4.61	-1.36	-6.60#
1972-73 SE OF DP		2.16	2.46	2.16	2.79	1.35	1.26	0.57	2.40	5.26	4.89	3.26	1.99	1.37	4.71	5.89	4.35	3.57	3.64	4.05	4.56	1.78
AGE: Ad																						
1972-73 P-VALUE	54.26	55.22	49.07	59.39	51.91	47.04	60.97	53.57	60.69	52.66	58.09	57.83	53.89	48.12	56.42	62.35	57.57	59.88	56.59	55.96	45.06	51.58
1972-73 SE OF P-VAL	1.83	3.43	3.21	3.49	4.06	2.24	2.16	2.08	3.79	5.56	2.70	3.20	2.67	2.58	7.64	5.69	3.88	4.94	5.80	5.31	5.27	2.77
1972-73 DELTA-P		0.96	-5.19	5.13	-2.35	-7.22#	6.71#	-0.69	6.43	-1.60	3.83	3.57	-0.37	-6.14#	2.16	8.09	3.31	5.62	2.33	1.70	-9.20*	-2.68
1972-73 SE OF DP		3.09	3.01	2.89	3.36	1.30	1.22	0.55	3.98	5.47	1.92	2.67	2.02	1.87	7.22	5.39	3.97	4.79	5.76	4.98	4.58	1.97
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	20.93	15.90	29.41	17.55	22.09	28.71	13.28	23.69	10.18	8.68	24.17	14.77	20.17	25.11	12.87	13.84	10.49	22.30	15.93	19.87	23.29	26.36
1972-73 SE OF P-VAL	1.42	2.51	2.49	2.39	3.85	1.89	1.42	1.69	1.93	2.17	4.13	2.40	1.87	1.99	2.54	2.53	2.71	4.75	2.20	3.81	2.90	3.12
1972-73 DELTA-P		-5.03*	8.48#	-3.38	1.16	7.78#	-7.65#	2.76#	-10.75#	-12.25#	3.24	-6.16#	-0.76	4.18#	-8.06#	-7.09#	-10.44#	1.37	-5.00	-1.06	2.36	5.43*
1972-73 SE OF DP		2.33	2.34	2.14	3.09	0.94	0.84	0.55	2.17	2.58	3.75	2.34	1.20	1.25	2.35	2.67	2.86	4.45	2.57	3.67	2.70	2.35
AGE: 17																						
1972-73 P-VALUE	27.14	21.02	37.56	25.14	27.08	37.56	17.63	29.09	18.24	19.36	23.85	27.97	24.35	29.92	18.07	33.05	20.88	20.68	20.31	24.15	33.75	31.24
1972-73 SE OF P-VAL	1.21	1.80	2.89	2.35	2.35	1.87	1.35	1.38	2.30	4.71	5.16	3.49	1.97	1.60	4.27	7.23	3.77	3.17	4.08	3.84	4.51	2.08
1972-73 DELTA-P		-6.12#	10.42#	-2.00	-0.06	10.42#	-9.51#	1.95#	-8.90#	-7.78	-3.29	0.83	-2.79	2.78*	-9.07*	5.91	-6.26	-6.46*	-6.83	-2.99	6.61	4.10*
1972-73 SE OF DP		1.72	2.48	1.95	2.08	1.26	1.08	0.50	2.19	4.69	4.91	3.14	1.40	1.24	4.35	[illegible]	3.89	3.11	3.93	3.67	4.34	1.86
AGE: Ad																						
1972-73 P-VALUE	27.35	23.29	35.48	20.10	32.50	37.09	18.29	29.95	11.09	18.38	22.44	24.41	25.99	37.18	18.63	23.52	22.56	24.13	27.90	28.06	30.85	28.99
1972-73 SE OF P-VAL	1.43	2.24	3.32	2.43	3.28	2.04	1.44	1.62	2.43	4.31	2.08	2.50	1.89	2.76	5.11	5.02	3.61	4.38	5.32	4.73	3.81	2.24
1972-73 DELTA-P		-4.06	8.13#	-7.25#	5.15	9.74#	-9.06#	2.60#	-16.26#	-8.97*	-4.91#	-2.94	-1.36	9.83#	-8.72	-3.83	-4.79	-3.22	0.55	0.71	3.50	1.64
1972-73 SE OF DP		2.15	2.82	2.22	2.67	1.18	1.04	0.45	2.69	4.30	1.77	2.32	1.57	1.88	4.90	4.72	3.50	4.10	5.35	4.51	3.33	1.67
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	11.05	17.31	3.45	11.92	10.59	7.11	14.92	11.24	10.08	10.76	9.36	7.81	10.48	11.59	13.29	10.19	13.84	17.89	9.48	11.81	8.48	9.61
1972-73 SE OF P-VAL	0.93	1.91	1.03	1.75	1.72	1.19	1.32	1.04	2.38	3.23	2.63	2.10	1.28	1.25	2.75	2.57	3.86	2.96	2.24	2.11	2.13	1.81
1972-73 DELTA-P		6.26#	-7.60#	0.87	-0.46	-3.94#	3.87#	0.19	-0.97	-0.29	-1.69	-3.24	-0.57	0.54	2.24	-0.86	2.79	6.84*	-1.57	0.76	-2.57	-1.44
1972-73 SE OF DP		1.50	1.17	1.50	1.55	0.87	0.83	0.42	2.23	3.14	2.34	2.07	1.07	0.89	2.38	2.36	3.67	2.77	2.18	1.98	1.97	1.54
AGE: 17																						
1972-73 P-VALUE	8.66	12.38	6.00	7.36	8.50	4.52	12.44	9.11	6.68	6.63	6.76	7.92	9.65	7.96	15.14	4.53	9.60	8.17	9.10	12.15	5.93	8.89
1972-73 SE OF P-VAL	0.76	1.53	1.51	1.01	1.80	0.79	1.26	0.85	1.57	2.81	2.06	2.23	1.27	0.85	3.70	1.88	2.14	1.98	2.38	2.85	1.60	1.43
1972-73 DELTA-P		3.72#	-2.66	-1.30	-0.16	-4.14#	3.78#	0.45	-1.98	-2.03	-1.90	-0.74	0.99	-0.70	6.48	-4.13*	0.94	-0.49	0.44	3.49	-2.73	0.23
1972-73 SE OF DP		1.25	1.38	1.00	1.51	0.82	0.73	0.30	1.66	2.55	2.04	1.96	0.91	0.68	3.40	1.92	2.12	1.99	2.26	2.49	1.63	1.11
AGE: Ad																						
1972-73 P-VALUE	8.35	11.44	5.42	10.03	6.03	6.46	10.11	6.50	16.01	22.19	10.37	8.59	6.16	7.34	19.09	3.53	8.77	5.09	8.91	7.24	15.93	8.35
1972-73 SE OF P-VAL	1.37	2.82	1.37	3.51	1.97	1.32	1.75	1.43	3.30	5.87	1.89	2.94	1.54	1.99	6.62	2.56	1.68	2.19	2.12	2.54	4.28	2.20
1972-73 DELTA-P		3.09	-2.93	1.68	-2.32	-1.89*	1.76*	-1.85#	7.66*	13.88#	2.02	0.24	-2.19*	-1.01	10.74	-4.82*	0.42	-3.26	0.56	-1.11	7.58*	0.00
1972-73 SE OF DP		2.42	1.70	2.67	1.93	0.80	0.71	0.53	3.15	5.52	1.33	2.20	1.01	1.52	6.69	2.12	2.07	2.30	2.27	2.49	3.70	1.22

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                          NATION |            REGION              |     SEX       |         RACE          |            PARENTAL EDUCATION             |               SIZE-AND-TYPE OF COMMUNITY
                                 |  NORTH   SOUTH                 |               |                 OTHER |            SOME    GRAD    POST           |EXTREME   LOW    HIGH    MAIN   URBAN  MEDIUM   SMALL
                          _______|   EAST    EAST CENTRAL    WEST |  MALE  FEMALE | WHITE   BLACK    RACE |  NO HS      HS      HS      HS  UNKNOWN  | RURAL   METRO   METRO BIG CTY  FRINGE    CITY  PLACES

EXERCISE: 101023-234   UB105

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part 5.

RESPONSE:  00    AGE: 13          TEXT:  No Response.

     1972-73 P-VALUE       64.76    62.50   61.12   67.88   67.03    61.15   68.31    62.71   71.23   77.84    69.84   71.73   66.34   60.33   67.63    68.77   74.31   60.55   72.87   66.40   67.11   57.93
     1972-73 SE OF P-VAL    1.65     4.19    2.57    2.72    3.09     2.28    1.88     1.80    2.96    4.60     4.33    3.77    1.84    1.95    4.01     3.40    3.98    3.45    3.18    3.83    2.59    3.41
     1972-73 DELTA-P                -2.26   -3.64    3.12    2.27   -3.61#   3.55#   -2.05#   6.47*  13.08#     5.08    6.97*   1.58   -4.43#   2.87     4.01    9.55*  -4.21    8.11#   1.64    2.35   -6.83#
     1972-73 SE OF DP                3.30    2.52    2.45    2.78     1.31    1.29     0.58    2.93    4.47     4.27    3.26    1.37    1.30    3.02     3.42    4.08    3.27    3.03    3.68    2.56    2.48

                  AGE: 17

     1972-73 P-VALUE       63.41    65.92   57.06   64.28   65.22    60.14   66.40    61.08   73.53   73.96    68.30   63.50   63.01   62.67   65.67    66.52   75.43   67.17   67.66   64.62   61.80   56.26
     1972-73 SE OF P-VAL    1.33     1.74    3.24    2.59    3.17     1.74    2.06     1.36    3.05    4.62     3.54    3.66    2.14    1.70    4.08     4.94    5.17    3.46    2.87    4.19    3.94    1.91
     1972-73 DELTA-P                 2.51   -6.35*   0.87    1.81    -3.27*   2.99*   -2.33#  10.12#  10.55*    4.89    0.09   -0.40   -0.74    2.26     3.11   12.02#   3.76    4.25    1.21   -1.61   -7.15#
     1972-73 SE OF DP                1.81    2.82    2.15    2.66     1.43    1.30     0.71    2.72    4.37     3.39    3.19    1.66    1.12    3.99     4.69    4.76    3.33    2.88    3.73    3.74    1.84

                  AGE: Ad

     1972-73 P-VALUE       72.25    70.56   70.76   75.30   71.63    67.90   76.30    72.74   70.16   68.70    76.71   74.94   72.93   65.03   72.48    77.61   72.03   76.40   70.33   74.42   65.44   71.54
     1972-73 SE OF P-VAL    1.99     4.06    3.16    4.38    3.70     2.45    2.17     2.29    3.67    5.65     2.29    3.46    2.87    3.14    6.63     3.98    3.33    3.40    4.58    4.82    6.11    3.30
     1972-73 DELTA-P                -1.69   -1.49    3.05   -0.62    -4.35#   4.05#    0.49   -2.09   -3.55     4.46*   2.69    0.68   -7.22#   0.23     5.36   -0.22    4.15   -1.92    2.17   -6.81   -0.71
     1972-73 SE OF DP                3.53    3.11    3.47    3.25     1.20    1.16     0.62    3.90    5.55     2.02    2.65    2.05    2.00    6.34     3.96    3.71    3.36    4.72    4.36    5.23    2.04

RESPONSE:  01*   AGE: 13          TEXT:  All Acceptable Responses.

     1972-73 P-VALUE       10.42     7.85   15.84    7.66   11.17    16.16    4.78    11.93    4.32    4.38     5.61    7.17   10.46   13.36    6.02     5.94    4.60    9.19    8.49   11.67   11.59   13.31
     1972-73 SE OF P-VAL    0.85     1.43    1.74    1.52    1.99     1.26    0.82     0.98    1.03    1.56     2.02    1.95    1.36    1.48    1.19     1.45    1.99    2.21    1.65    3.19    2.25    1.58
     1972-73 DELTA-P                -2.57    5.42#  -2.76*   0.75     5.74#  -5.64#    1.51#  -6.10#  -6.04#   -4.61*  -3.25    0.04    2.94#  -4.40#   -4.48#  -5.82#  -1.23   -1.93    1.25    1.17    2.89*
     1972-73 SE OF DP                1.32    1.54    1.32    1.65     0.68    0.65     0.31    1.07    1.57     2.24    1.87    1.05    0.98    1.21     1.63    2 08    2.10    1.63    2.83    2.05    1.33

                  AGE: 17

     1972-73 P-VALUE       14.18    10.69   17.03   13.34   16.51    20.74    8.19    15.82 [illegible] 10.71    7.84   16.82   11.99   16.27    9.80    14.49    9.35   11.14    9.94   14.83   14.57   17.61
     1972-73 SE OF P-VAL    0.87     1.38    2.03    1.78    1.66     1.33    1.05  [illegible]  1.51    3.16     2.22    2.67    1.05    1.39    3.60     3.11    3.01    2.18    3.10    2.35    2.88    1.73
     1972-73 DELTA-P                -3.49#   2.85   -0.84    2.33     6.56#  -5.99#    1.64#  -8.90#  -3.87    -6.34#   2.64   -2.19    2.09*  -4.38     0.31   -4.83   -3.04   -4.24    0.65    0.39    3.43*
     1972-73 SE OF DP                1.29    1.78    1.45    1.46     0.88    0.76     0.38    1.35    2.91     2.15    2.43    1.13    0.84    3.57     3.01    2.81    2.13    2.97    2.20    2.82    1.84

                  AGE: Ad

     1972-73 P-VALUE       12.81    10.61   13.26   10.59   16.96    18.85    7.19    14.36    4.59    4.66     8.01    9.09   13.09   20.89    5.06    12.81   11.05   14.92   16.40   10.48   13.18   12.37
     1972-73 SE OF P-VAL    1.08     1.86    2.34    1.89    2.53     1.82    0.86     1.28    1.70    2.08     1.47    2.04    1.77    2.41    3.27     3.06    2.26    3.40    3.74    3.19    2.59    1.80
     1972-73 DELTA-P                -2.20    0.45   -2.22    4.15*    6.04#  -5.62#    1.55#  -8.22#  -8.15#   -4.80#  -3.72*   0.28    8.08#  -7.75*    0.00   -1.76    2.11    3.59   -2.33    0.37   -0.44
     1972-73 SE OF DP                1.73    2.07    1.66    2.04     0.97    0.91     0.36    1.92    2.28     1.51    1.76    1.49    1.78    3.33     2.93    2.33    3.17    3.68    2.92    2.34    1.34

RESPONSE:  03    AGE: 13          TEXT:  I Don't Know.

     1972-73 P-VALUE       13.21    19.73    5.63   13.95   12.61     9.36   16.99    13.69   11.32   11.13    10.31    8.92   12.18   14.49   15.51    10.86   14.54   21.13   10.31   14.42   11.48   12.03
     1972-73 SE OF P-VAL    1.02     2.23    1.28    1.65    1.90     1.52    1.41     1.15    2.67    3.25     2.77    2.09    1.34    1.38    2.69     2.68    4.16    3.03    2.31    2.23    2.51    2.30
     1972-73 DELTA-P                 6.52#  -7.58#   0.74   -0.60    -3.85#   3.78#    0.48   -1.89   -2.08    -2.90   -4.29*  -1.03    1.28    2.30    -2.35    1.33    7.92#  -2.90    1.21   -1.73   -1.18
     1972-73 SE OF DP                1.70    1.36    1.51    1.70     1.08    1.03     0.46    2.54    3.17     2.58    2.13    1.06    0.92    2.23     2.53    3.96    2.89    2.27    2.26    2.32    1.85

                  AGE: 17

     1972-73 P-VALUE       11.20    14.12    9.30   10.15   10.95     6.57   15.42    12.01    7.10    8.80     8.89    8.84   11.67   11.44   15.14     7.27    9.60   11.07   10.71   13.69   11.52   11.56
     1972-73 SE OF P-VAL    0.86     1.25    2.14    1.28    2.16     0.95    1.40     0.92    1.63    3.72     2.06    2.48    1.49    0.98    3.70     2.45    2.14    2.77    2.86    3.17    1.64    1.35
     1972-73 DELTA-P                 2.92*  -1.90   -1.05   -0.25    -4.63#   4.22#    0.81*  -4.10*  -2.40    -2.31   -2.36    0.47    0.24    3.94    -3.93   -1.60   -0.13   -0.89    2.49    0.32    0.36
     1972-73 SE OF DP                1.18    1.85    1.19    1.78     0.91    0.82     0.35    1.74    3.37     2.02    2.28    1.10    0.68    3.43     2.38    2.21    2.63    2.65    2.78    1.64    1.12

                  AGE: Ad

     1972-73 P-VALUE        9.66    12.99    6.64   11.42    7.11     7.52   11.65     7.96   16.48   22.82    10.96    9.78    7.52    9.37   20.62     4.53    9.41    6.05    9.94    8.77   18.29    9.69
     1972-73 SE OF P-VAL    1.52     3.34    1.41    3.97    1.83     1.48    1.93     1.62    3.28    5.85     1.97    3.04    1.86    1.99    6.46     2.60    1.66    2.10    1.93    2.78    5.21    2.45
     1972-73 DELTA-P                 3.33   -3.02    1.76   -2.55    -2.14*   1.99#   -1.70#   6.82*  13.16*    1.30    0.12   -2.14   -0.29   10.96    -5.13*  -0.25   -3.61    0.28   -0.89    8.63    0.03
     1972-73 SE OF DP                2.81    1.85    3.01    1.98     0.88    0.78     0.53    3.18    5.50     1.40    2.08    1.10    1.47    6.65     2.29    2.21    2.31    2.32    2.76    4.43    1.33
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

101024-1

72-73 Report #: UP106

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 02-17

72-73 National P-val:
UP106 21.15

Timing: (in seconds)
Stimulus: 23
Response: 11
I don't know: 5
Pause: 5
UP106 Exercise total: 44

EXERCISE: 101024-1 UP106

This unreleased non-change exercise [illegible] with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.45	0.24	0.81	0.60	0.14	0.46	0.44	0.44	0.73	0.00	0.39	0.32	0.35	0.61	0.41	0.57	0.76	0.00	0.29	0.48	0.25	0.58
1972-73 SE OF P-VAL	0.13	0.17	0.40	0.27	0.14	0.21	0.17	0.16	0.44	0.00	0.39	0.31	0.25	0.32	0.20	0.43	0.51	0.00	0.30	0.46	0.26	0.28
1972-73 DELTA-P		-0.21	0.36	0.15	-0.31	0.01	-0.01	-0.01	0.28	-0.45#	-0.06	-0.13	-0.10	0.16	-0.04	0.12	0.31	-0.45#	-0.16	0.03	-0.20	0.13
1972-73 SE OF DP		0.18	0.32	0.23	0.17	0.14	0.14	0.07	0.42	0.13	0.36	0.30	0.25	0.27	0.14	0.29	0.50	0.13	0.30	0.43	0.26	0.21
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	21.15	23.16	16.81	21.38	23.15	22.75	19.60	22.33	16.16	17.64	19.04	23.92	19.75	27.76	17.34	17.89	12.16	22.82	20.68	17.59	24.78	24.85
1972-73 SE OF P-VAL	1.31	3.41	2.15	2.46	1.73	1.65	1.48	1.54	1.80	3.50	4.47	4.55	2.21	2.46	1.67	2.97	2.61	4.66	4.00	1.87	3.91	2.76
1972-73 DELTA-P		2.01	-4.34*	0.23	2.00	1.60	-1.55	1.18*	-4.99#	-3.51	-2.11	2.77	-1.40	6.61#	-3.81#	-3.26	-8.99#	1.67	-0.47	-3.56	3.63	3.70
1972-73 SE OF DP		2.65	2.01	2.14	1.85	0.86	0.84	0.50	1.84	3.43	4.45	4.53	1.91	1.89	1.09	2.99	2.70	4.18	4.09	2.18	3.75	2.01
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	10.70	8.71	15.82	9.41	9.08	10.20	11.18	10.09	13.45	12.15	9.81	6.63	8.94	5.89	15.53	10.00	13.85	6.40	10.46	11.74	8.04	12.19
1972-73 SE OF P-VAL	0.77	1.49	1.11	1.65	1.39	1.14	1.11	0.87	2.12	2.88	2.65	2.39	1.26	1.05	1.23	2.57	3.09	1.92	2.88	2.27	1.95	1.17
1972-73 DELTA-P		-1.99	5.12#	-1.29	-1.62	-0.50	0.48	-0.61	2.75	1.45	-0.89	-4.07	-1.76	-4.81#	4.83#	-0.70	3.15	-4.30#	-0.24	1.04	-2.66	1.49
1972-73 SE OF DP		1.24	1.07	1.36	1.26	0.81	0.79	0.40	1.99	2.79	2.61	2.35	1.05	0.98	0.80	2.39	2.92	1.66	2.39	2.03	1.92	1.13

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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NAEP #:          101028-1

72-73 Report #: UP107

72-73 Obj:       I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj:    A. Know facts and simple concepts.

Science Type:        Physical science

Exercise Type:           Multiple part short answer
Scoring Type:            Professional
Administration Mode:     Group

Age:                              9
72-73 Package-Exercise:         06-15

72-73 National P-val:
            UP107-1             32.91
            UP107-2             36.79
            UP107-3             41.82
            UP107-4             32.94
            UP107-5             22.32
            UP107-6              6.61

Timing: (in seconds)
                     Stimulus:    7
                     Response:   80
   UP107       Exercise total:   87
```

381

EXERCISE: 101028-1 UP107

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

Part 1.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.83	4.65	9.84	4.63	4.25	6.42	5.22	4.47	10.84	10.28	7.32	10.53	4.21	3.56	7.71	5.91	13.39	0.83	6.95	4.96	4.79	6.09
1972-73 SE OF P-VAL	0.64	1.20	1.89	0.77	1.18	0.86	0.74	0.64	2.78	2.55	1.94	3.08	0.85	0.71	1.04	1.60	2.91	0.56	2.51	1.50	1.07	1.46
1972-73 DELTA-P		-1.18	4.01#	-1.20	-1.58	0.59	-0.61	-1.36#	5.05#	4.45	1.49	4.70	-1.62#	-2.27#	1.88#	0.08	7.56#	-5.00#	1.12	-0.87	-1.04	0.26
1972-73 SE OF DP		1.05	1.49	0.84	1.13	0.42	0.43	0.45	1.91	2.40	1.88	2.86	0.59	0.68	0.60	1.54	2.77	0.86	2.27	1.51	1.14	1.16

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	32.91	33.37	34.63	32.52	30.82	35.02	30.74	33.29	30.96	32.97	37.11	35.92	31.98	35.25	30.71	37.15	26.63	31.30	30.40	27.21	38.61	34.62
1972-73 SE OF P-VAL	1.36	3.12	3.13	2.31	1.89	1.62	1.89	1.47	3.91	4.24	4.31	5.14	2.53	2.08	1.85	3.52	5.83	4.15	2.39	3.79	3.62	2.46
1972-73 DELTA-P		0.46	1.72	-0.39	-2.09	2.11	-2.17	0.38	-1.95	0.06	4.20	3.01	-0.93	2.34	-2.20	4.24	-6.28	-1.61	-2.51	-5.70	5.70	1.71
1972-73 SE OF DP		2.53	2.61	2.04	1.99	1.11	1.12	0.78	3.41	4.09	4.08	4.75	2.06	1.76	1.26	3.34	5.35	3.98	2.34	3.55	3.32	2.14

RESPONSE: 03 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.29	5.82	7.08	5.77	6.68	5.84	6.75	5.50	8.97	9.52	5.64	6.82	5.43	3.45	8.97	3.75	9.52	3.05	7.25	7.17	6.28	6.77
1972-73 SE OF P-VAL	0.75	1.86	1.72	1.05	1.14	0.90	0.95	0.55	2.29	5.10	2.74	2.65	1.19	0.82	1.05	1.80	2.09	0.96	3.41	1.52	2.22	1.09
1972-73 DELTA-P		-0.47	0.79	-0.52	0.39	-0.45	0.46	-0.79	2.68	3.23	-0.65	0.53	-0.86	-2.84#	2.68#	-2.54	3.23	-3.24#	0.96	0.88	-0.01	0.48
1972-73 SE OF DP		1.48	1.44	1.02	1.15	0.53	0.55	0.56	1.82	4.65	2.51	2.55	0.78	0.65	0.68	1.86	1.86	1.10	2.96	1.52	2.02	1.00

EXERCISE: 101028-1 UP107

Part 2.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	13.87	9.40	23.11	10.87	12.80	15.53	12.16	9.56	31.50	24.33	22.58	19.41	11.98	8.38	17.23	12.38	31.71	3.36	13.24	10.11	15.05	14.80
1972-73 SE OF P-VAL	1.21	1.57	3.15	1.96	2.21	1.70	1.19	0.82	3.82	4.47	4.39	4.57	1.63	1.20	1.51	3.19	4.09	1.44	4.54	1.36	2.33	2.22
1972-73 DELTA-P		-4.47#	9.24#	-3.00	-1.07	1.66*	-1.71*	-4.31#	17.63#	10.46*	8.71*	5.54	-1.89	-5.49#	3.36#	-1.49	17.84#	-10.51#	-0.63	-3.76*	1.18	0.93
1972-73 SE OF DP		1.62	2.49	1.72	2.08	0.81	0.85	0.87	3.06	4.19	3.78	3.78	1.11	1.19	1.05	3.23	4.05	1.74	3.88	1.62	2.42	1.65

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	36.79	41.65	28.97	39.68	35.81	37.28	36.29	41.13	18.62	27.29	20.92	30.63	38.69	45.13	32.35	33.58	21.14	46.43	42.16	43.29	32.93	35.29
1972-73 SE OF P-VAL	1.32	2.90	2.47	2.11	2.35	1.75	1.94	1.38	2.63	4.31	3.35	4.66	2.42	2.01	1.85	3.23	3.38	3.67	2.87	3.79	2.95	2.78
1972-73 DELTA-P		4.86*	-7.82#	2.89	-0.98	0.49	-0.50	4.34#	-18.17#	-9.50*	-15.87#	-6.16	1.90	8.34#	-4.44#	-3.21	-15.65#	9.64#	5.37	6.50	-3.86	-1.50
1972-73 SE OF DP		2.33	2.14	1.91	2.23	1.27	1.31	0.70	2.62	4.30	2.94	4.24	1.65	1.75	1.41	3.24	3.24	3.35	2.81	3.53	2.82	2.22

RESPONSE: 03 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.56	6.00	7.25	6.16	7.02	5.89	7.25	5.78	8.97	10.20	5.65	7.37	5.73	3.76	9.19	4.01	9.77	3.42	7.26	8.10	6.45	6.91
1972-73 SE OF P-VAL	0.77	1.87	1.75	1.16	1.15	0.91	1.00	0.58	2.29	5.05	2.74	2.71	1.24	0.84	1.07	1.76	2.12	1.01	3.41	1.67	2.21	1.14
1972-73 DELTA-P		-0.56	0.69	-0.40	0.46	-0.67	0.69	-0.78	2.41	3.64	-0.91	0.81	-0.83	-2.80#	2.63#	-2.55	3.21	-3.14#	0.70	1.54	-0.11	0.35
1972-73 SE OF DP		1.50	1.47	1.08	1.18	0.55	0.57	0.56	1.81	4.61	2.52	2.59	0.81	0.68	0.68	1.84	1.89	1.13	2.95	1.63	2.02	1.04

EXERCISE: 101028-1 UP107

Part 3.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	22.60	16.97	33.66	19.38	21.18	24.79	20.35	17.71	41.61	36.70	30.74	29.02	20.00	14.23	28.53	28.25	43.90	10.24	20.49	20.83	22.45	21.48
1972-73 SE OF P-VAL	1.47	1.82	4.04	2.21	2.83	1.90	1.61	1.17	3.87	4.46	5.73	5.75	2.10	1.65	1.89	4.57	3.91	2.73	4.74	2.40	2.88	2.58
1972-73 DELTA-P		-5.63#	11.06#	-3.22	-1.42	2.19*	-2.25*	-4.89#	19.01#	14.10#	8.14	6.42	-2.60	-8.37#	5.93#	5.65	21.30#	-12.36#	-2.11	-1.77	-0.15	-1.12
1972-73 SE OF DP		1.90	3.20	2.03	2.62	0.94	1.00	0.90	3.10	4.18	5.04	5.03	1.67	1.55	1.29	4.46	3.99	2.78	4.16	2.39	2.78	1.78

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	41.82	48.30	30.72	45.48	41.59	43.15	40.45	47.33	20.52	25.66	29.73	35.15	43.60	52.92	34.94	36.50	21.88	56.17	44.30	42.84	45.12	40.23
1972-73 SE OF P-VAL	1.47	2.49	2.90	2.71	3.10	1.80	1.92	1.52	2.81	4.24	4.40	5.97	2.82	2.47	1.86	4.59	4.15	3.16	3.85	3.77	3.77	3.08
1972-73 DELTA-P		6.48#	-11.10#	3.66	-0.23	1.33	-1.37	5.51#	-21.30#	-16.16#	-12.59#	-6.67	1.78	11.10#	-6.88#	-5.32	-19.94#	14.35#	2.48	1.02	3.30	-1.59
1972-73 SE OF DP		2.16	2.54	2.30	2.80	1.13	1.15	0.94	2.59	3.90	4.06	5.68	2.13	2.13	1.46	4.66	3.83	2.97	3.66	3.64	3.55	2.44

* The abso ute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
EXERCISE: 101028-1 GP107																						
This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.																						
Part 3.																						
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.01	6.24	8.05	6.21	8.89	6.08	7.60	6.02	9.80	10.19	5.64	8.14	5.80	4.24	9.34	4.98	9.77	3.61	7.77	8.09	6.28	7.31
1972-73 SE OF P-VAL	0.83	2.11	1.85	1.16	1.14	0.90	1.12	0.64	2.54	5.05	2.74	2.53	1.24	1.01	1.11	2.09	2.12	1.51	3.87	1.67	2.22	1.24
1972-73 DELTA-P		-0.57	1.24	-0.60	0.08	-0.77	0.79	-0.79	2.59	3.38	-1.17	1.33	-1.01	-2.57#	2.53#	-1.83	2.96	-3.40#	0.96	1.28	-0.53	0.50
1972-73 SE OF DP		1.66	1.56	1.13	1.21	0.57	0.59	0.62	2.02	4.55	2.53	2.42	0.80	0.73	0.70	2.12	1.89	1.16	3.34	1.67	2.05	1.12
EXERCISE: 101028-1 GP107																						
Part 4.																						
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	33.67	26.02	45.67	30.48	33.72	34.94	32.37	28.42	55.41	45.82	51.88	44.07	32.73	21.27	39.83	42.24	54.21	19.80	31.66	30.86	31.73	33.69
1972-73 SE OF P-VAL	1.58	2.15	3.84	2.41	3.44	1.83	2.09	1.50	3.49	4.17	5.95	5.39	2.59	1.96	1.93	5.31	3.92	3.64	5.09	2.83	3.04	3.20
1972-73 DELTA-P		-7.65#	12.00#	-3.19	0.05	1.27	-1.30	-5.25#	21.74#	12.15#	18.21#	10.40	-0.94	-12.40#	6.16#	8.57	20.54#	-13.87#	-2.01	-2.81	-1.94	0.02
1972-73 SE OF DP		2.05	3.13	2.22	3.08	1.14	1.19	0.93	3.15	3.85	5.26	5.23	1.91	1.68	1.32	5.36	4.01	3.78	4.62	2.92	2.93	2.37
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	32.94	38.72	24.01	35.60	32.41	33.73	32.13	37.30	14.48	23.80	20.00	26.83	33.20	44.66	26.44	23.82	15.06	42.76	35.95	36.37	35.66	32.97
1972-73 SE OF P-VAL	1.41	1.77	2.50	3.26	3.07	1.86	1.85	1.49	2.28	3.98	5.65	4.93	2.61	2.00	1.92	3.44	2.60	3.68	[illegible]	3.49	3.00	2.58
1972-73 DELTA-P		5.78#	-8.93#	2.66	-0.53	0.79	-0.81	4.36#	-18.46#	-9.14*	-12.94*	-6.11	0.26	11.72#	-6.50#	-9.12#	-17.88#	9.82#	3.01	3.43	2.72	0.03
1972-73 SE OF DP		1.82	2.27	2.55	2.75	1.20	1.23	0.69	2.38	3.68	5.33	4.78	1.85	1.70	1.47	3.35	2.66	3.54	4.15	3.29	2.82	2.10
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	7.27	[illegible]	8.18	6.21	8.07	6.58	7.98	6.58	9.40	10.93	5.64	9.69	6.26	4.51	9.88	5.30	10.34	4.41	7.77	8.47	6.61	7.84
1972-73 SE OF P-VAL	0.85	2.15	1.88	1.16	1.35	0.97	1.16	0.68	2.54	5.29	2.74	3.04	1.26	1.04	1.21	2.08	2.23	1.28	3.87	1.78	2.28	1.23
1972-73 DELTA-P		-0.33	0.91	-1.06	0.80	-0.69	0.71	-0.73	2.13	3.66	-1.63	2.42	-1.01	-2.76#	2.61#	-1.97	3.07	-2.86*	0.50	1.20	-0.66	0.57
1972-73 SE OF DP		1.70	1.59	1.14	1.34	0.64	0.65	0.63	2.02	4.79	2.57	2.89	0.82	0.80	0.79	2.10	1.96	1.36	3.34	1.77	2.09	1.11
EXERCISE: 101028-1 GP107																						
Part 5.																						
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	50.55	43.24	58.75	49.84	51.29	51.10	50.01	46.75	66.22	59.66	60.96	61.03	50.50	42.17	54.26	56.63	66.00	46.11	47.24	46.58	50.16	49.22
1972-73 SE OF P-VAL	1.57	2.09	3.50	2.85	3.81	2.12	1.85	1.75	2.99	4.21	6.27	4.34	3.14	2.26	1.73	5.57	3.32	4.52	3.58	3.67	4.00	3.72
1972-73 DELTA-P		-7.32#	8.19#	-0.72	0.73	0.54	-0.55	-3.81#	15.66#	9.10*	10.40	10.47*	-0.06	-8.39#	3.70#	6.07	15.44#	-4.45	-3.32	-3.98	-0.40	-1.34
1972-73 SE OF DP		2.03	2.97	2.45	3.32	1.20	1.25	0.84	[illegible]	3.89	5.86	4.27	2.23	1.83	1.31	5.61	3.55	4.37	3.39	3.57	3.85	2.79
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	22.32	20.01	14.44	24.94	20.71	24.26	20.32	25.33	11.10	12.55	17.45	19.37	20.61	30.19	18.35	17.51	11.38	26.45	24.86	25.44	23.19	22.55
1972-73 SE OF P-VAL	1.09	2.12	1.87	1.81	2.95	1.28	1.50	1.24	1.92	3.57	5.46	4.14	1.81	2.24	1.82	2.92	3.02	3.72	3.32	3.63	3.89	2.34
1972-73 DELTA-P		5.69#	-7.88#	2.62	-1.61	1.94*	-2.00*	3.01#	-11.22#	-9.77#	-4.87	-2.95	-1.71	7.87#	-3.97#	-4.81	-10.94#	4.13	2.54	3.12	0.87	0.23
1972-73 SE OF DP		1.82	1.71	1.65	2.52	0.88	0.88	0.59	1.83	3.31	5.15	3.94	1.72	1.81	1.52	3.17	2.73	3.61	3.36	3.40	3.50	1.99
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	7.86	7.77	8.92	6.54	8.53	6.85	8.90	7.18	9.74	11.61	5.64	9.69	7.10	5.26	10.37	6.36	10.34	5.14	8.17	8.86	7.83	8.25
1972-73 SE OF P-VAL	0.88	2.25	1.89	1.19	1.43	0.97	1.22	0.74	2.57	5.32	2.74	3.04	1.33	1.10	1.21	1.92	2.23	1.59	3.86	1.97	2.24	1.30
1972-73 DELTA-P		-0.09	1.06	-1.32	0.67	[illegible]	1.04	-0.68	1.88	3.75	-2.22	1.83	-0.76	-2.60#	2.51#	-1.50	2.48	-2.72	0.31	1.00	-0.03	0.39
1972-73 SE OF DP		1.78	1.61	1.17	1.41	0.66	0.67	0.64	2.09	4.82	2.59	2.82	0.88	0.83	0.79	1.94	1.98	1.59	3.35	1.92	2.08	1.16
EXERCISE: 101028-1 GP107																						
Part 6.																						
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	70.08	66.51	74.13	70.56	69.23	70.68	69.47	68.93	76.58	68.75	75.23	71.31	69.77	68.45	70.63	71.72	74.56	68.80	68.83	69.11	74.40	67.64
1972-73 SE OF P-VAL	1.27	2.74	2.72	1.81	2.66	1.76	1.53	1.83	[illegible]	3.74	4.24	[illegible]	2.65	1.62	1.74	4.92	2.73	2.47	3.15	3.84	2.66	2.57
1972-73 DELTA-P		-3.57	4.05	0.48	-0.85	0.60	-0.61	-1.15	6.50*	-1.33	5.15	[illegible]	-0.31	-1.63	0.55	1.64	4.48	-1.28	-1.25	-0.97	4.32	-2.44
1972-73 SE OF DP		2.21	2.33	1.75	2.40	1.04	1.07	0.68	2.70	3.71	4.19	[illegible]	2.03	1.36	1.14	4.49	2.81	2.45	2.84	3.41	2.48	2.05

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101028-1 UP107

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

Part 6.

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.61	7.33	5.17	6.61	7.39	7.10	6.10	7.71	2.09	3.98	3.79	6.82	7.54	8.85	4.75	5.83	2.48	9.10	8.29	7.75	4.97	6.63
1972-73 SE OF P-VAL	0.62	1.32	1.32	1.00	1.34	0.73	0.88	0.75	0.58	1.54	1.52	2.29	1.33	1.22	0.67	1.25	0.79	2.11	1.61	1.91	1.13	1.30
1972-73 DELTA-P		0.72	-1.44	0.00	0.78	0.49	-0.51	1.10#	-4.52#	-2.63	-2.82*	0.21	0.93	2.24*	-1.86#	-0.78	-4.13#	2.49	1.68	1.14	-1.64	0.02
1972-73 SE OF DP		1.09	1.13	0.90	1.20	0.51	0.52	0.23	0.78	1.49	1.37	2.19	1.07	0.97	0.54	1.19	0.83	1.89	1.52	1.80	1.17	1.00

RESPONSE: 03 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.85	9.55	9.76	6.70	9.82	8.04	9.69	8.38	9.74	12.30	5.65	10.98	8.38	6.66	10.98	7.42	10.34	5.51	8.18	10.40	8.29	10.21
1972-73 SE OF P-VAL	0.94	2.52	1.80	1.19	1.52	1.31	1.19	0.86	2.57	5.44	2.74	3.24	1.37	1.16	1.21	[illegible]	2.23	1.84	3.88	2.20	2.06	1.54
1972-73 DELTA-P		0.70	0.91	-2.15	0.97	-0.81	0.84	-0.47	0.89	3.45	-3.20	2.13	-0.47	-2.19#	2.13#	-1.43	1.49	-3.34	-0.67	1.55	-0.56	1.36
1972-73 SE OF DP		1.95	1.59	1.21	1.50	0.83	0.85	0.66	2.13	4.97	2.69	3.00	0.90	0.86	0.66	2.20	2.02	1.81	3.36	2.14	1.97	1.30

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101030-123

72-73 Report #: UB108

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Short answer
Scoring Type: Semi-professional
Administration Mode: Group

Age:		9	13	17IS
72-73 Package-Exercise:		04-17	05-09	10-24
72-73 National P-val:				
UB108		20.36	58.71	79.37
Timing: (in seconds)				
	Stimulus:	8	8	8
	Response:	21	16	16
UB108	Exercise total:	29	24	24

EXERCISE: 101030-123 UB108

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	2.51	3.22	2.03	2.27	2.57	3.11	1.94	2.02	3.35	6.93	4.14	1.92	2.20	1.41	3.46	2.56	3.56	1.58	4.73	2.90	2.09	1.97
1972-73 SE OF P-VAL	0.32	0.55	0.46	0.81	0.62	0.59	0.42	0.36	0.80	2.20	2.15	1.18	0.64	0.46	0.61	1.18	1.23	0.78	1.04	0.83	1.26	0.51
1972-73 DELTA-P		0.71	-0.48	-0.24	0.06	0.60	-0.57	-0.49*	0.84	4.42*	1.63	-0.59	-0.31	-1.10*	0.95*	0.05	1.05	-0.93	2.22*	0.39	-0.42	-0.54
1972-73 SE OF DP		0.52	0.46	0.61	0.55	[illegible]	0.39	0.21	0.80	2.12	1.98	1.24	0.64	0.44	0.42	1.10	1.21	0.78	0.99	0.82	1.12	0.46
AGE: 13																						
1972-73 P-VALUE	1.32	0.87	1.22	2.51	0.40	1.05	1.59	1.02	3.35	1.28	0.67	1.21	1.42	0.60	3.69	3.84	3.91	0.51	2.26	0.23	0.31	0.70
1972-73 SE OF P-VAL	0.33	0.37	0.51	0.94	0.20	0.22	0.62	0.37	0.91	0.59	0.51	0.69	0.51	0.36	1.06	2.58	1.36	0.37	1.04	0.23	0.24	0.30
1972-73 DELTA-P		-0.45	-0.10	1.19	-0.92#	-0.27	0.27	-0.30*	2.03*	-0.04	-0.65	-0.11	0.10	-0.72#	2.37*	2.52	2.59	-0.81	0.94	-1.09#	-1.01#	-0.62
1972-73 SE OF DP		0.43	0.51	0.67	0.36	0.33	0.33	0.14	0.88	0.64	0.57	0.72	[illegible]	0.21	0.97	2.32	1.36	0.48	1.04	0.38	0.38	0.38
AGE: 17																						
1972-73 P-VALUE	0.78	1.38	1.13	0.47	0.23	0.84	0.73	0.22	3.49	2.54	3.07	0.36	0.75	0.14	3.42	0.86	3.79	0.00	2.30	0.00	0.29	0.62
1972-73 SE OF P-VAL	0.20	0.64	0.39	0.26	0.18	0.24	0.29	0.11	1.09	1.81	1.50	0.36	0.30	0.10	1.64	0.68	1.56	0.00	1.59	0.00	0.29	0.25
1972-73 DELTA-P		0.60	0.35	-0.31	-0.55*	0.06	-0.05	-0.56#	2.71#	1.76	2.29	-0.42	-0.03	-0.64#	2.64	0.08	3.01*	-0.78#	1.52	-0.78#	-0.49	-0.16
1972-73 SE OF DP		0.50	0.36	0.26	0.24	0.19	0.17	0.19	0.97	1.71	1.42	0.37	0.26	0.18	1.53	0.66	1.47	0.20	1.50	0.20	0.34	0.25
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	20.36	25.03	12.45	23.46	19.75	22.79	18.05	23.59	6.42	11.00	14.74	17.33	19.43	28.79	14.93	12.35	7.97	35.67	14.84	30.19	16.68	18.89
1972-73 SE OF P-VAL	1.34	3.11	1.91	2.76	2.21	[illegible]	1.55	1.51	1.68	2.56	3.18	4.83	1.87	1.97	2.05	3.48	2.54	3.62	3.86	5.11	2.89	2.74
1972-73 DELTA-P		4.67	-7.91#	3.10	-0.61	2.43*	-2.31*	3.23#	-13.94#	-9.36#	-5.62	-3.03	-0.93	8.43#	-5.43#	-8.01*	-12.39#	15.31#	-5.52	9.83*	-3.68	-1.47
1972-73 SE OF DP		2.58	1.92	2.21	2.09	1.14	1.08	0.56	1.69	2.67	3.01	4.65	1.93	1.32	1.27	3.62	2.88	3.65	3.68	4.61	2.89	2.32
AGE: 13																						
1972-73 P-VALUE	58.71	65.58	51.40	62.39	54.19	59.32	58.10	65.21	27.56	32.61	38.52	49.09	61.47	69.06	35.06	56.79	38.56	78.10	46.96	65.68	61.85	56.64
1972-73 SE OF P-VAL	1.78	3.34	4.33	3.73	2.64	2.26	2.02	1.73	3.08	4.08	4.23	4.25	2.71	1.75	3.10	5.63	6.09	3.53	4.46	3.40	4.08	2.89
1972-73 DELTA-P		6.87*	-7.31	3.68	-4.52	0.61	-0.61	6.50#	-31.15#	-26.10#	-20.19#	-9.62*	2.76	10.35#	-23.65#	-1.92	-20.15#	19.39#	-11.75#	6.97*	3.14	-2.07
1972-73 SE OF DP		3.00	3.76	2.95	2.61	1.20	1.20	0.87	2.86	4.32	4.18	3.89	1.79	1.30	2.75	5.26	6.04	3.42	4.16	3.30	3.78	2.36
AGE: 17																						
1972-73 P-VALUE	79.37	85.61	73.70	81.40	75.51	79.21	79.52	85.18	54.25	50.43	66.60	72.89	81.35	84.64	59.42	77.19	67.07	94.01	72.35	82.16	75.48	79.56
1972-73 SE OF P-VAL	1.44	2.36	3.25	2.64	2.87	1.88	1.43	1.28	4.09	5.83	4.68	3.26	2.09	1.63	4.48	6.25	7.18	1.56	4.66	4.50	2.99	2.04
1972-73 DELTA-P		6.24#	-5.67	2.03	-3.86	-0.16	0.15	5.81#	-25.12#	-28.94#	-12.77#	-6.48*	1.98	5.27#	-19.95#	-2.18	-12.30	14.64#	-7.02	2.79	-3.89	0.19
1972-73 SE OF DP		2.09	2.85	2.24	2.52	0.87	0.79	0.80	3.76	5.42	4.16	2.74	1.49	1.34	4.28	5.94	6.82	1.95	4.88	4.10	2.68	1.70
RESPONSE: 03 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	21.32	19.49	21.26	21.73	22.74	18.47	24.03	19.89	25.00	31.30	21.51	18.85	17.85	15.50	28.36	20.21	22.92	15.90	22.92	20.23	23.39	22.21
1972-73 SE OF P-VAL	1.16	2.21	2.91	1.87	2.31	1.53	1.69	1.23	3.76	4.41	3.16	4.78	2.24	1.56	1.85	2.94	6.97	3.43	3.52	2.89	3.69	2.03
1972-73 DELTA-P		-1.83	-0.06	0.41	1.42	-2.85*	2.71*	-1.43*	3.68	9.98*	0.19	-2.47	-3.47	-5.82#	7.04#	-1.11	1.60	-5.42	1.60	-1.09	2.07	0.89
1972-73 SE OF DP		1.98	2.41	1.68	2.03	1.16	1.11	0.65	3.28	4.42	3.20	4.57	1.90	1.39	1.16	3.01	6.66	3.40	3.33	2.86	3.36	1.66
AGE: 13																						
1972-73 P-VALUE	6.14	4.40	8.92	5.38	6.28	6.03	6.25	4.42	15.53	10.55	12.75	5.70	5.35	3.98	12.16	6.57	9.33	3.11	8.11	7.69	4.43	5.44
1972-73 SE OF P-VAL	0.57	0.75	1.38	1.17	1.18	0.82	0.75	0.58	2.51	2.54	3.21	1.87	1.07	0.75	2.09	1.45	1.88	1.18	1.89	2.28	1.59	1.10
1972-73 DELTA-P		-1.74*	2.78*	-0.76	0.14	-0.11	0.11	-1.72#	9.39#	4.41	6.61*	-0.44	-0.79	-2.16#	6.02#	0.43	3.19	-3.03*	1.97	1.55	-1.71	-0.70
1972-73 SE OF DP		0.77	1.19	0.93	1.01	0.54	0.55	0.38	2.34	2.49	3.27	1.84	0.86	0.54	1.93	1.51	1.89	1.25	1.78	2.02	1.51	0.96
AGE: 17																						
1972-73 P-VALUE	2.65	1.89	3.51	3.08	2.21	2.28	2.99	1.57	6.90	8.28	9.37	4.21	1.77	1.36	5.85	2.18	5.11	0.52	2.92	2.56	4.70	2.01
1972-73 SE OF P-VAL	0.44	0.49	1.38	0.76	0.80	0.50	0.64	0.32	1.45	2.63	2.71	1.41	0.59	0.45	1.85	1.16	1.45	0.51	1.64	1.52	1.08	0.53
1972-73 DELTA-P		-0.76	0.86	0.43	-0.44	-0.37	0.34	-1.08#	4.25#	5.63*	6.72#	1.56	-0.88	-1.29#	3.20	-0.47	2.46	-2.13#	0.27	-0.09	2.05*	-0.64
1972-73 SE OF DP		0.56	1.13	0.66	0.71	0.40	0.36	0.30	1.22	2.39	2.47	1.26	0.61	0.32	1.81	1.16	1.46	0.60	1.61	1.27	0.97	0.48

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101038-23

72-73 Report #: UB109

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	04-15	09-17
72-73 National P-val:		
UB109	27.70	47.00
Timing: (in seconds)		
Stimulus:	12	10
Response:	12	11
I don't know:	5	5
Pause:	7	6
UB109 Exercise total:	36	32

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

EXERCISE: 101030-23 0B109

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.09	0.00	0.17	0.08	0.12	0.05	0.14	0.03	0.54	0.00	0.00	0.25	0.00	0.00	0.42	0.29	0.62	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.17	0.08	0.12	0.04	0.10	0.03	0.39	0.00	0.00	0.25	0.00	0.00	0.30	0.28	0.47	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.09	0.08	-0.01	0.03	-0.04	0.05	-0.06	0.45	-0.09	-0.09	0.16	-0.09	-0.09	0.33	0.20	0.53	-0.09	-0.09	-0.09	-0.09	-0.09
1972-73 SE OF DP		0.05	0.14	0.07	0.10	0.05	0.05	0.05	0.38	0.05	0.05	0.23	0.05	0.05	0.25	0.24	0.43	0.05	0.05	0.05	0.05	0.05
AGE: 17																						
1972-73 P-VALUE	0.12	0.24	0.27	0.00	0.00	0.20	0.04	0.07	0.32	0.39	0.00	0.21	0.27	0.04	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.17
1972-73 SE OF P-VAL	0.07	0.15	0.26	0.00	0.00	0.12	0.04	0.07	0.16	0.39	0.00	0.21	0.21	0.04	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.17
1972-73 DELTA-P		0.12	0.15	-0.12	-0.12	0.08	-0.08	-0.05	0.20	0.27	-0.12	0.09	0.15	-0.08	-0.12	-0.12	0.53	-0.12	-0.12	-0.12	-0.12	0.05
1972-73 SE OF DP		0.12	0.21	0.07	0.07	0.06	0.06	0.04	0.18	0.36	0.07	0.19	0.15	0.08	0.07	0.07	0.38	0.07	0.07	0.07	0.07	0.13
RESPONSE: 02* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	27.70	32.59	20.17	25.70	31.29	32.36	22.73	31.41	9.98	19.38	13.80	13.91	26.64	38.49	19.34	12.31	22.67	41.45	35.41	33.09	27.88	26.31
1972-73 SE OF P-VAL	1.51	3.06	2.69	3.22	2.96	1.93	2.04	1.76	2.81	4.67	3.13	2.31	2.35	2.22	2.65	2.34	3.42	5.12	4.22	3.21	3.02	3.24
1972-73 DELTA-P		4.89	-7.53#	-2.00	3.59	4.66#	-4.97#	3.71#	-17.72#	-8.32	-13.90#	-13.79#	-1.06	10.79#	-8.36#	-15.39#	-5.03	13.75#	7.71	5.39	0.18	-1.39
1972-73 SE OF DP		2.66	2.56	2.62	2.57	1.24	1.35	0.76	2.60	4.47	3.10	2.33	1.79	1.39	2.44	2.27	3.63	4.91	4.04	3.02	2.48	2.45
AGE: 17																						
1972-73 P-VALUE	47.00	53.55	36.88	44.75	51.50	52.30	42.17	50.1[illegible]	30.49	39.73	29.93	42.02	41.94	54.62	36.48	33.66	41.15	56.40	47.75	51.43	51.84	43.77
1972-73 SE OF P-VAL	1.34	2.79	2.06	2.71	2.74	1.81	1.71	1.8[illegible]	2.99	5.26	3.37	3.71	2.21	1.76	6.49	4.10	3.84	4.15	4.07	3.50	3.37	2.35
1972-73 DELTA-P		6.55#	-10.12#	-2.25	4.50	5.30#	-4.83#	3.1[illegible]#	-16.51#	-7.27	-17.07#	-4.98	-5.06#	7.62#	-10.52	-13.34#	-5.85	9.40#	0.75	4.43	4.84	-3.23
1972-73 SE OF DP		2.35	2.04	2.23	2.40	1.23	1.11	0.5[illegible]	2.90	5.13	3.27	3.34	2.02	1.27	6.15	4.33	3.57	3.68	4.32	3.20	3.46	2.13
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	0.91	0.61	0.88	1.47	0.62	0.92	0.89	0.82	2.19	0.00	0.70	1.50	0.74	0.32	2.41	0.40	1.43	0.79	1.00	0.49	1.35	0.98
1972-73 SE OF P-VAL	0.24	0.33	0.32	0.70	0.28	0.33	0.28	0.23	1.28	0.00	0.49	0.80	0.40	0.20	1.02	0.25	0.98	0.58	0.68	0.48	0.72	0.33
1972-73 DELTA-P		-0.30	-0.03	0.56	-0.29	0.01	-0.02	-0.09	1.28	-0.91#	-0.21	0.59	-0.17	-0.59*	1.50	-0.51	0.52	-0.12	0.09	-0.42	0.44	0.07
1972-73 SE OF DP		0.32	0.34	0.52	0.31	0.19	0.20	0.16	1.10	0.24	0.50	0.75	0.31	0.27	0.87	0.32	0.86	0.57	0.56	0.41	0.68	0.29
AGE: 17																						
1972-73 P-VALUE	2.50	1.56	3.43	2.48	2.73	1.53	3.39	2.43	2.30	4.00	5.98	1.62	2.74	1.82	4.72	3.23	4.[illegible]2	1.20	0.77	2.05	1.59	3.23
1972-73 SE OF P-VAL	0.34	0.59	0.86	0.68	0.64	0.46	0.54	0.40	0.92	1.36	2.23	0.76	0.64	0.42	2.66	1.37	1.4[illegible]	0.68	0.46	1.05	0.77	0.71
1972-73 DELTA-P		-0.94	0.93	-0.02	0.23	-0.97#	0.89#	-0.07	-0.20	1.50	3.48	-0.88	0.24	-0.68*	2.22	0.73	2.[illegible]	-1.30	-1.73#	-0.45	-0.91	0.73
1972-73 SE OF DP		0.54	0.73	0.56	0.58	0.38	0.35	0.16	0.90	1.31	2.12	0.76	0.56	0.33	2.56	1.30	[illegible].35	0.67	0.50	0.99	0.83	0.57

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101039-23

72-73 Report #: UP110

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	08-23	08-10
72-73 National P-val:		
UP110	17.50	26.31
Timing: (in seconds)		
Stimulus:	22	22
Response:	38	37
I don't know:	5	5
Pause:	6	6
UP110 Exercise total:	71	70

EXERCISE: 101039-23 UP110

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective VA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.23	0.25	0.07	0.40	4.20	0.97	.49	0.75	1.07	6.59	2.69	0.35	1.43	0.71	2.08	0.00	13.91	0.00	1.15	0.00	0.10	0.20
1972-73 SE OF P-VAL	0.98	0.19	0.07	0.24	3.89	0.88	1.08	0.56	0.81	5.60	2.64	0.35	1.27	0.65	1.19	0.00	12.17	0.00	0.70	0.00	0.10	0.16
1972-73 DELTA-P		-0.98	-1.16	-0.83	2.97	-0.26*	0.26	-0.48	-0.16	5.36	1.46	-0.86	0.20	-0.52	0.85*	-1.23	12.68	-1.23	-0.08	-1.23	-1.13	-1.03
1972-73 SE OF DP		0.99	0.98	0.99	2.92	0.13	0.14	0.42	0.38	4.64	1.68	1.03	0.32	0.35	0.41	0.98	11.23	0.98	1.15	0.98	0.98	0.98
AGE: 17																						
1972-73 P-VALUE	0.16	0.34	0.07	0.21	0.00	0.19	0.14	0.17	0.13	0.00	0.00	0.00	0.00	0.04	2.16	0.00	0.17	0.52	0.00	0.00	0.00	0.21
1972-73 SE OF P-VAL	0.09	0.24	0.07	0.21	0.00	0.13	0.11	0.10	0.12	0.00	0.00	0.00	0.00	0.04	1.27	0.00	0.16	0.43	0.00	0.00	0.00	0.17
1972-73 DELTA-P		0.18	-0.09	0.05	-0.16	0.03	-0.02	0.01	-0.03	-0.16	-0.16	-0.16	-0.16	-0.12	2.00	-0.16	0.01	0.36	-0.16	-0.16	-0.16	0.05
1972-73 SE OF DP		0.19	0.10	0.16	0.09	0.09	0.08	0.02	0.14	0.09	0.09	0.09	0.09	0.09	1.19	0.09	0.16	0.38	0.09	0.09	0.09	0.13
RESPONSE: 0* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	17.50	17.93	15.79	17.81	18.48	18.24	16.74	17.70	17.03	16.20	15.82	13.72	19.03	17.79	16.67	19.88	12.80	15.12	22.13	16.73	15.54	18.63
1972-73 SE OF P-VAL	1.02	2.07	1.41	2.28	2.25	1.17	1.55	1.23	2.32	3.38	2.94	2.66	1.84	1.39	1.76	4.73	2.39	3.29	3.21	2.24	2.14	1.67
1972-73 DELTA-P		0.43	-1.71	0.31	0.98	0.74	-0.76	0.20	-0.47	-1.30	-1.68	-3.78	1.53	0.29	-0.83	2.38	-4.70	-2.38	4.63	-0.77	-1.96	1.13
1972-73 SE OF DP		1.82	1.43	1.87	1.90	[illegible]	0.92	0.45	2.35	3.36	3.03	2.38	1.35	0.97	1.55	4.39	2.53	3.13	2.97	2.04	1.99	1.44
AGE: 17																						
1972-73 P-VALUE	26.31	30.56	22.43	28.11	23.17	27.01	25.66	27.67	21.00	16.23	19.88	25.41	25.25	29.22	20.11	28.42	24.56	30.35	18.29	24.41	25.64	27.19
1972-73 SE OF P-VAL	1.15	1.99	1.74	2.71	2.17	1.85	1.51	1.31	2.32	4.37	3.25	2.48	2.15	1.50	2.71	4.41	3.05	2.78	3.75	3.08	2.66	1.89
1972-73 DELTA-P		4.25*	-3.88*	1.80	-3.14	0.70	-0.65	1.36#	-5.31*	-10.08*	-6.43	-0.90	-1.06	2.91#	-6.20*	2.11	-1.75	4.04	[illegible]	-1.90	-0.67	0.88
1972-73 SE OF DP		1.78	1.75	2.12	1.91	1.28	1.19	0.43	2.31	4.35	3.24	2.59	1.50	1.05	2.50	4.14	2.91	2.60	3.48	2.85	2.54	1.61
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	17.18	14.66	18.80	18.52	16.51	15.23	19.16	17.53	15.99	15.46	14.45	14.23	15.24	17.24	23.16	13.95	16.48	[illegible]	12.91	20.67	21.39	15.76
1972-73 SE OF P-VAL	1.12	1.83	3.39	1.63	1.47	1.37	1.54	1.30	1.85	2.29	2.90	3.18	1.75	1.65	2.23	1.91	2.79	3.02	1.33	2.50	3.60	1.69
1972-73 DELTA-P		-2.52	1.62	1.34	-0.67	-1.95*	1.98*	0.35	-1.19	-1.72	-2.73	-2.95	-1.94	0.06	5.98#	-3.23	-0.70	0.07	-4.27*	3.49	4.21	-1.42
1972-73 SE OF DP		1.74	2.63	1.57	1.53	0.94	0.93	0.35	1.89	2.18	2.80	3.03	1.28	1.03	2.22	1.99	2.80	2.99	1.71	2.40	2.95	1.19
AGE: 17																						
1972-73 P-VALUE	14.89	13.85	13.84	13.81	[illegible]	13.96	15.75	14.95	12.72	18.84	20.04	16.27	15.07	14.44	9.56	10.51	14.30	12.12	16.64	24.32	15.87	13.76
1972-73 SE OF P-VAL	1.07	2.54	2.19	1.79	[illegible]	1.38	1.22	1.10	2.45	4.61	3.15	2.57	1.68	1.39	2.33	3.15	3.46	2.13	3.07	3.56	2.59	1.72
1972-73 DELTA-P		-1.04	-1.05	-1.08	[illegible]	-0.93	0.86	0.06	-2.17	3.95	5.15	1.38	0.18	-0.45	-5.33*	[illegible]	-0.59	[illegible]	1.75	9.43#	0.98	-1.13
1972-73 SE OF DP		2.07	1.98	1.59	[illegible]	0.78	0.72	0.39	2.27	4.29	3.05	2.24	1.20	0.95	2.29	3.00	3.25	[illegible]	3.08	3.15	2.49	1.38

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101041-23

72-73 Report #: UB111

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	02-32	05-24
72-73 National P-val:		
UB111	26.55	40.89
Timing: (in seconds)		
Stimulus:	37	35
Response:	23	24
I don't know:	5	5
Pause:	6	5
UB111 Exercise total:	71	69

EXERCISE: 101041-23 UB111

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.82	0.45	0.27	0.68	9.91	2.55	3.09	2.29	5.38	4.21	1.68	1.01	3.24	1.80	5.80	1.66	6.09	0.00	3.75	11.51	0.00	0.05
1972-73 SE OF P-VAL	1.18	0.35	0.20	0.61	4.65	1.12	1.54	1.30	1.65	2.11	1.06	1.23	1.68	0.73	2.53	1.66	4.63	0.00	2.78	6.59	0.00	0.05
1972-73 DELTA-P		-2.37*	-2.55*	-2.14	7.09*	-0.27	0.27	-0.53	2.56	1.39	-1.14	-1.01	0.42	-1.02	2.98	-1.16	4.02	-2.82*	0.93	8.69	-2.82*	-2.77*
1972-73 SE OF DP		1.17	1.15	1.21	3.54	0.72	0.71	0.34	1.43	2.38	0.95	0.97	0.70	0.78	1.60	1.86	4.08	1.14	3.20	5.57	1.14	1.14
AGE: 17																						
1972-73 P-VALUE	0.40	0.85	0.51	0.19	0.06	0.34	0.45	0.34	0.35	0.95	1.00	0.00	0.28	0.40	0.86	0.00	1.25	0.83	0.00	0.00	0.52	0.29
1972-73 SE OF P-VAL	0.17	0.52	0.44	0.19	0.06	0.24	0.31	0.22	0.54	0.99	1.00	0.00	0.28	[illegible]	0.72	0.00	0.71	0.82	0.00	0.00	0.40	0.25
1972-73 DELTA-P		0.45	0.11	-0.21	-0.34	-0.06	0.05	-0.06	0.15	0.55	0.60	-0.40*	-0.12	0.00	0.46	-0.40*	0.85	0.43	-0.40*	-0.40*	0.12	-0.11
1972-73 SE OF DP		0.48	0.38	0.21	0.18	0.24	0.20	0.11	0.58	0.95	1.02	0.17	0.25	0.18	0.62	0.17	0.65	0.71	0.17	0.17	0.38	0.22
RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	26.55	26.12	22.28	26.66	30.73	27.94	25.18	28.17	17.03	26.15	24.82	30.72	24.03	30.43	19.32	23.67	15.34	26.74	26.67	27.76	25.73	29.38
1972-73 SE OF P-VAL	1.21	3.04	2.15	1.88	2.45	1.39	1.58	1.40	2.49	4.09	2.67	3.47	1.67	1.94	2.21	3.38	2.55	4.46	2.74	4.66	3.09	2.25
1972-73 DELTA-P		-0.43	-4.27*	0.11	4.18	1.39	-1.37	1.62#	-9.52#	-0.40	-1.73	4.17	-2.52	3.88#	-7.23#	-2.88	-11.21#	0.19	0.12	1.21	-0.82	2.83
1972-73 SE OF DP		2.50	2.00	1.73	2.10	0.87	0.85	0.48	2.56	3.90	2.66	3.22	1.42	1.31	2.05	3.32	2.77	4.24	2.64	4.09	3.06	1.97
AGE: 17																						
1972-73 P-VALUE	40.89	39.92	40.95	41.04	41.73	42.95	39.14	45.07	22.45	22.02	23.54	36.61	36.92	48.42	31.58	49.35	27.79	51.08	38.44	38.26	37.88	40.72
1972-73 SE OF P-VAL	1.95	4.28	3.88	3.92	3.26	2.18	2.54	2.10	2.23	6.26	3.46	4.75	2.55	2.72	5.97	8.47	5.02	6.01	6.09	3.78	2.77	3.28
1972-73 DELTA-P		-0.97	0.06	0.15	0.84	2.06	-1.75	4.18#	-18.44#	-18.87#	-17.35#	-4.28	-3.97	7.53#	-9.31	8.46	-13.10#	10.19	-2.45	-2.63	-3.01	-0.17
1972-73 SE OF DP		3.51	3.57	3.19	3.06	1.46	1.26	0.90	2.50	5.97	3.75	4.46	2.13	1.72	5.49	7.90	4.84	5.30	5.86	3.84	2.82	2.70
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	21.53	20.46	20.31	24.53	20.25	19.62	23.41	21.83	20.63	19.49	22.92	17.56	22.24	19.56	27.01	22.44	25.28	24.21	20.33	21.27	23.66	19.25
1972-73 SE OF P-VAL	1.38	2.20	1.90	1.74	4.81	1.53	1.87	1.59	1.68	4.84	3.76	2.93	2.09	1.66	2.73	3.91	3.35	4.24	2.07	6.16	3.44	1.60
1972-73 DELTA-P		-1.07	-1.22	3.00	-1.28	-1.91	1.88	0.30	-0.90	-2.04	1.39	-3.97	0.71	-1.97	5.48#	0.91	3.75	2.68	-1.20	-0.26	2.13	-2.28
1972-73 SE OF DP		2.09	1.98	1.80	3.43	1.01	0.99	0.40	2.06	4.50	3.84	2.75	1.47	1.07	2.17	3.33	3.20	3.96	2.37	5.22	3.21	1.72
AGE: 17																						
1972-73 P-VALUE	18.43	18.18	15.81	19.11	20.11	17.27	19.41	17.50	18.53	31.15	22.59	14.19	21.26	16.10	22.65	16.27	18.96	16.93	16.78	23.32	20.52	17.37
1972-73 SE OF P-VAL	1.18	1.87	1.45	2.69	2.17	1.46	1.53	1.28	2.02	3.90	3.92	2.60	2.21	1.31	2.82	7.00	2.80	2.23	2.14	1.44	2.42	1.84
1972-73 DELTA-P		-0.25	-2.62	0.68	1.68	-1.16	0.98	-0.93*	0.10	12.72#	4.16	-4.25	2.83	-2.33	4.22	-2.16	0.53	-1.50	-1.65	4.89#	2.09	-1.06
1972-73 SE OF DP		1.69	1.59	2.05	1.91	1.09	0.94	0.45	2.05	3.73	3.51	2.48	1.70	[illegible]	2.62	6.48	2.67	2.02	2.33	1.63	2.33	1.51

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101042-234

72-73 Report #: UB112

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple part multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	04-17	07-14	06-16
72-73 National P-val:			
UB112A	70.94	83.99	80.23
UB112B	72.23	82.54	86.62
UB112C	83.99	91.26	87.60
UB112D	59.22	71.50	70.48
UB112E	78.79	91.87	92.58

Timing: (in seconds)

		13	17IS	Adult
UB112	Introduction:	11	10	10
	Stimulus:	7	6	9
	Response:	6	9	*
	I don't know:	5	5	*
	Pause:	4	3	*
UB112A	Part total:	22	23	*
	Stimulus:	7	7	4
	Response:	7	8	*
	I don't know:	1	1	*
	Pause:	4	3	*
UB112B	Part total:	19	19	*
	Stimulus:	7	7	5
	Response:	7	8	*
	I don't know:	1	1	*
	Pause:	4	3	*
	Turn page:	(6)	(6)	(6)
UB112C	Part total:	19**	19**	*
	Stimulus:	7	7	4
	Response:	7	8	*
	I don't know:	1	1	*
	Pause:	4	3	*
UB112D	Part total:	19	19	*
	Stimulus:	8	8	5
	Response:	7	9	*
	I don't know:	1	1	*
	Pause:	5	5	*
UB112E	Part total:	21	23	*
UB112	Exercise total:	111	113	*

*Time not limited by paced tape.

**Time to turn page is not included in total times.

EXERCISE: 101042-234   08112

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.07	0.00	0.17	0.00	0.12	0.00	0.14	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.42	0.29	0.36	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.17	0.00	0.12	0.00	0.10	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.30	0.28	0.38	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.07	0.10	-0.07	0.05	-0.07	0.07	-0.07	0.47	-0.07	-0.07	-0.07	-0.07	-0.07	0.35	0.22	0.29	-0.07	-0.07	-0.07	-0.07	-0.07
1972-73 SE OF DP		0.05	0.14	0.05	0.10	0.05	0.05	0.05	0.38	0.05	0.05	0.05	0.05	0.05	0.25	0.24	0.35	0.05	0.05	0.05	0.05	0.05
AGE: 17																						
1972-73 P-VALUE	0.15	0.45	0.05	0.06	0.00	0.32	0.00	0.15	0.22	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.20	0.00	0.00	0.83	0.00	0.03
1972-73 SE OF P-VAL	0.11	0.45	0.05	0.06	0.00	0.27	0.00	0.15	0.16	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.20	0.00	0.00	0.86	0.00	0.03
1972-73 DELTA-P		0.30	-0.10	-0.09	-0.15	0.17	-0.15	0.00	0.07	-0.15	-0.15	-0.15	-0.15	0.18	-0.15	-0.15	0.05	-0.15	-0.15	0.68	-0.15	-0.12
1972-73 SE OF DP		0.32	0.13	0.13	0.13	0.14	0.13	0.03	0.18	0.13	0.13	0.13	0.13	0.14	0.13	0.13	0.22	0.13	0.13	0.73	0.13	0.13
AGE: A0																						
1972-73 P-VALUE	0.04	0.00	0.00	0.00	0.17	0.09	0.00	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.00	0.00	0.18	0.09	0.00	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 DELTA-P		-0.04	-0.04	-0.04	0.13	0.05	-0.04	-0.04	0.39	-0.04	-0.04	-0.04	0.11	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.35	-0.04	-0.04
1972-73 SE OF DP		0.05	0.05	0.05	0.13	0.05	0.05	0.05	0.38	0.05	0.05	0.05	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.34	0.05	0.05
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	70.94	72.96	67.51	73.23	69.27	73.10	68.55	72.58	58.23	73.74	63.19	67.99	73.64	74.04	64.10	74.71	61.18	76.64	77.65	70.73	68.03	69.63
1972-73 SE OF P-VAL	1.03	2.11	2.11	1.77	2.36	1.34	1.52	1.13	2.75	2.74	4.13	3.00	1.90	1.05	2.42	2.18	4.41	3.40	2.48	2.88	2.71	1.87
1972-73 DELTA-P		2.02	-3.43	2.29	-1.67	2.24*	-2.39*	1.64#	-12.71#	2.80	-7.75	-2.95	2.70	3.10*	-6.76#	3.77	-9.76*	5.70	6.71#	-0.21	-2.91	-1.31
1972-73 SE OF DP		1.82	1.92	1.57	1.96	0.97	1.02	0.40	2.62	2.47	3.08	3.12	1.69	1.45	2.26	2.19	4.28	3.22	2.41	2.60	2.46	1.57
AGE: 17																						
1972-73 P-VALUE	83.99	82.83	84.44	86.24	82.46	85.49	82.66	86.23	72.44	75.23	82.50	74.53	84.26	87.19	74.53	80.46	76.54	80.41	88.77	82.02	85.35	86.88
1972-73 SE OF P-VAL	0.92	1.54	2.06	1.88	2.00	1.31	1.34	0.95	2.22	3.70	2.78	3.39	1.71	1.22	4.53	3.75	3.28	2.45	2.05	2.54	2.08	1.71
1972-73 DELTA-P		-1.16	0.45	2.25	-1.53	1.50	-1.33	2.24#	-11.55#	-8.76*	-1.49	-9.46#	0.27	3.20#	-9.46*	-3.53	-7.45*	-3.58	4.78*	-1.97	1.36	2.89*
1972-73 SE OF DP		1.40	1.82	1.57	1.71	1.00	0.89	0.50	2.03	3.73	2.70	3.09	1.44	1.04	4.29	3.57	3.14	2.41	2.08	2.29	1.98	1.39
AGE: A0																						
1972-73 P-VALUE	80.23	80.13	76.88	80.24	83.02	81.07	79.45	82.52	65.35	73.16	72.05	80.80	80.95	88.10	73.68	74.71	73.68	89.02	81.02	80.33	79.67	79.69
1972-73 SE OF P-VAL	1.19	2.19	2.43	2.36	2.51	1.48	1.63	1.15	4.18	5.64	2.10	2.92	1.73	1.44	8.37	4.18	4.64	3.21	4.67	2.88	2.63	1.96
1972-73 DELTA-P		-0.10	-3.35	0.01	2.79	0.84	-0.78	2.29#	-14.88#	-7.07	-8.18#	0.57	0.72	7.87#	-6.55	-5.52	-6.55	8.79#	0.79	0.10	-0.56	-0.54
1972-73 SE OF DP		1.93	2.23	1.96	2.12	1.04	0.96	0.59	3.77	5.46	1.78	2.32	1.36	1.38	8.16	4.15	4.32	2.93	4.81	2.74	2.53	1.59
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.27	2.97	2.03	4.34	3.44	2.56	4.03	2.91	3.75	5.71	6.92	1.50	2.32	2.94	5.00	1.91	6.06	2.86	2.26	5.98	2.59	2.49
1972-73 SE OF P-VAL	0.45	1.01	0.47	1.00	0.85	0.59	0.52	0.55	0.90	1.93	2.16	0.68	0.83	0.62	1.05	0.58	1.82	1.55	0.96	1.74	0.78	0.74
1972-73 DELTA-P		-0.30	-1.24*	1.07	0.17	-0.71*	0.76*	-0.36	0.48	2.44	3.65	-1.77*	-0.95	-0.33	1.73	-1.36*	2.79	-0.41	-1.01	2.71	-0.68	-0.78
1972-73 SE OF DP		0.84	0.57	0.81	0.75	0.31	0.34	0.25	1.00	1.81	2.12	0.73	0.55	0.49	0.97	0.63	1.71	1.52	1.01	1.48	0.90	0.60
AGE: 17																						
1972-73 P-VALUE	0.97	1.30	0.65	0.92	0.93	1.13	0.83	0.77	2.26	1.05	0.77	1.45	0.95	0.81	1.72	0.15	2.76	0.87	0.53	0.53	0.61	1.30
1972-73 SE OF P-VAL	0.23	0.60	0.33	0.37	0.45	0.34	0.31	0.24	0.81	1.01	0.75	0.85	0.39	0.32	1.26	0.15	1.14	0.63	0.48	0.52	0.82	0.50
1972-73 DELTA-P		0.33	-0.32	-0.05	-0.04	0.16	-0.14	-0.20	1.29	0.08	-0.20	0.48	-0.02	-0.16	0.75	-0.82#	1.79	-0.10	-0.44	-0.44	-0.36	0.33
1972-73 SE OF DP		0.47	0.34	0.34	0.39	0.24	0.21	0.12	0.75	0.99	0.74	0.79	0.33	0.25	1.19	0.27	1.06	0.59	0.53	0.51	0.42	0.37
AGE: A0																						
1972-73 P-VALUE	2.50	0.97	5.04	2.14	2.40	1.83	3.12	2.04	5.08	4.76	5.27	1.61	2.08	0.52	4.16	6.32	2.53	1.67	2.76	0.54	2.95	2.43
1972-73 SE OF P-VAL	0.52	0.31	1.94	0.71	1.01	0.86	0.62	0.52	1.89	2.24	1.64	1.00	0.85	0.36	2.50	3.29	1.13	1.27	1.63	0.55	1.34	0.60
1972-73 DELTA-P		-1.53#	2.54	-0.36	-0.10	-0.67	0.62	-0.46	2.58	2.26	2.77*	-0.89	-0.42	-1.98#	1.66	3.82	0.03	-0.83	0.26	-1.96#	0.45	-0.07
1972-73 SE OF DP		0.56	1.58	0.70	0.88	0.55	0.51	0.26	1.71	2.16	1.26	1.02	0.74	0.62	2.50	2.94	1.16	1.21	1.58	0.72	1.27	0.46

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101042-234 UB112

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.07	0.00	0.17	0.00	0.12	0.00	0.14	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.42	0.29	0.36	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.17	0.00	0.12	0.00	0.10	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.30	0.28	0.38	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.07	0.10	-0.07	0.05	-0.07	0.07	-0.07	0.47	-0.07	-0.07	-0.07	-0.07	-0.07	0.35	0.22	0.29	-0.07	-0.07	-0.07	-0.07	-0.07
1972-73 SE OF DP		0.05	0.14	0.05	0.10	0.05	0.05	0.05	0.34	0.05	0.05	0.05	0.05	0.05	0.25	0.24	0.35	0.05	0.05	0.05	0.05	0.05
AGE: 17																						
1972-73 P-VALUE	0.14	0.46	0.06	0.00	0.00	0.29	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.04
1972-73 SE OF P-VAL	0.11	0.45	0.05	0.00	0.00	0.27	0.00	0.15	0.06	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.03
1972-73 DELTA-P		0.32	-0.08	-0.14	-0.14	0.15	-0.14	0.01	-0.05	-0.14	-0.14	-0.14	-0.14	0.16	-0.14	-0.14	-0.14	-0.14	-0.14	0.70	-0.14	-0.10
1972-73 SE OF DP		0.32	0.13	0.13	0.13	0.14	0.13	0.03	0.15	0.13	0.13	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.73	0.13	0.13
AGE: Ad																						
1972-73 P-VALUE	0.15	0.00	0.00	0.00	0.60	0.31	0.00	0.00	0.43	2.00	0.00	0.00	0.15	0.42	0.00	0.00	0.00	0.78	0.00	0.39	0.00	0.00
1972-73 SE OF P-VAL	0.12	0.00	0.00	0.00	0.46	0.24	0.00	0.00	0.43	2.13	0.00	0.00	0.15	0.42	0.00	0.00	0.00	0.79	0.00	0.39	0.00	0.00
1972-73 DELTA-P		-0.15	-0.15	-0.15	0.45	0.16	-0.15	-0.15	0.28	1.85	-0.15	-0.15	0.00	0.27	-0.15	-0.15	-0.15	0.63	-0.15	0.24	-0.15	-0.15
1972-73 SE OF DP		0.12	0.12	0.12	0.34	0.13	0.12	0.12	0.40	2.02	0.12	0.12	0.15	0.31	0.12	0.12	0.12	0.68	0.12	0.36	0.12	0.12
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	72.23	74.11	71.11	70.68	73.00	72.06	72.41	75.19	58.94	64.46	65.86	67.82	73.08	77.46	64.10	69.76	63.48	75.41	74.38	75.75	74.62	71.31
1972-73 SE OF P-VAL	1.29	2.40	2.94	2.48	2.63	1.62	1.78	1.37	2.70	3.68	5.85	4.34	2.08	1.70	2.80	3.82	3.44	5.02	4.31	3.36	3.24	2.09
1972-73 DELTA-P		1.88	-1.12	-1.55	0.77	-0.17	0.18	2.96*	-13.29*	-7.77*	-6.37	-4.41	0.85	5.23*	-8.13*	-2.47	-8.75*	3.18	2.15	3.52	2.39	-0.92
1972-73 SE OF DP		2.12	2.58	2.10	2.26	1.06	1.13	0.67	2.56	3.30	5.60	4.29	1.52	1.31	2.55	3.36	3.27	4.77	3.95	3.04	3.19	1.88
AGE: 17																						
1972-73 P-VALUE	82.54	83.43	81.40	82.31	82.75	82.82	82.29	85.08	68.10	76.04	70.17	80.24	81.81	86.10	76.59	81.34	71.27	80.34	83.98	81.01	88.05	84.15
1972-73 SE OF P-VAL	1.07	1.37	1.83	2.18	2.90	1.57	1.36	1.08	2.59	3.23	3.39	2.64	1.78	1.42	3.90	3.91	4.49	4.85	2.88	2.53	1.98	1.82
1972-73 DELTA-P		0.89	-1.14	-0.23	0.21	0.28	-0.25	2.54*	-14.44*	-6.50*	-12.37*	-2.30	-0.73	3.56*	-5.95	-1.20	-11.27*	-2.20	1.44	-1.53	5.51*	1.61
1972-73 SE OF DP		1.41	1.76	1.83	2.32	1.06	0.93	0.55	2.29	3.00	3.22	2.55	1.37	0.94	3.93	3.63	4.29	4.58	2.93	2.49	1.97	1.45
AGE: Ad																						
1972-73 P-VALUE	86.62	85.77	84.69	88.59	86.85	86.61	86.63	88.53	77.09	75.13	82.60	83.65	89.91	89.91	75.97	86.60	82.29	90.25	87.52	82.60	85.18	87.77
1972-73 SE OF P-VAL	0.92	1.60	1.74	1.56	2.38	1.50	1.02	0.95	3.50	5.39	2.12	2.85	1.47	1.80	7.82	3.08	3.22	2.30	3.90	3.75	2.65	1.02
1972-73 DELTA-P		-0.85	-1.93	1.97	0.23	-0.01	0.01	1.91*	-9.53*	-11.49*	-4.02*	-2.97	3.29*	3.29	-10.65	-0.02	-4.33	3.63	0.90	-4.02	-1.44	1.15
1972-73 SE OF DP		1.44	1.63	1.39	1.91	0.91	0.85	0.51	3.45	4.98	1.75	2.62	1.35	1.67	7.71	2.97	2.97	2.01	3.71	3.84	2.57	1.01
RESPONCE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.28	3.66	1.95	6.72	4.16	3.84	4.75	3.77	6.79	5.34	3.68	2.77	3.44	3.97	7.80	2.67	5.75	4.01	3.60	5.65	3.61	4.45
1972-73 SE OF P-VAL	0.53	0.86	0.65	1.39	0.91	0.62	0.70	0.61	1.44	1.46	1.46	1.08	0.85	0.80	1.52	0.72	1.23	1.94	1.14	1.77	1.34	1.14
1972-73 DELTA-P		-0.62	-2.33*	2.44*	-0.12	-0.44	0.47	-0.51	2.51	1.06	-0.60	-1.51	-0.84	-0.31	3.52*	-1.61*	1.47	-0.27	-0.68	1.37	-0.67	0.17
1972-73 SE OF DP		0.80	0.70	1.07	0.83	0.39	0.41	0.27	1.40	1.38	1.30	1.15	0.68	0.66	1.32	0.77	1.25	1.91	1.18	1.56	1.33	0.87
AGE: 17																						
1972-73 P-VALUE	1.37	1.28	2.34	0.31	1.81	1.65	1.12	1.07	3.14	2.04	1.02	2.61	1.00	0.91	5.18	1.74	2.83	1.69	0.39	0.47	0.46	1.90
1972-73 SE OF P-VAL	0.30	0.59	0.63	0.22	0.81	0.48	0.35	0.31	0.90	1.42	0.61	0.99	0.39	0.30	2.54	0.66	1.25	0.85	0.41	0.36	0.33	0.69
1972-73 DELTA-P		-0.09	0.97	-1.06*	0.44	0.28	-0.25	-0.30*	1.77*	0.67	-0.35	1.24	-0.37	-0.46*	3.81	0.37	1.46	0.32	-0.98*	-0.90*	-0.91*	0.53
1972-73 SE OF DP		0.50	0.57	0.33	0.65	0.31	0.27	0.14	0.82	1.37	0.65	0.32	0.31	0.22	2.43	0.70	1.16	0.75	0.48	0.40	0.41	0.50
AGE: Ad																						
1972-73 P-VALUE	2.49	1.99	3.94	1.99	2.38	1.54	3.38	2.19	3.35	5.45	2.43	3.25	2.95	1.15	6.22	4.06	4.16	1.44	1.52	1.23	2.91	2.64
1972-73 SE OF P-VAL	0.35	0.43	1.12	0.60	0.64	0.45	0.52	0.38	1.08	2.76	0.81	0.95	0.66	0.52	3.16	1.75	1.89	0.81	0.97	0.72	1.46	0.59
1972-73 DELTA-P		-0.50	1.45	-0.50	-0.11	-0.95*	0.89*	-0.30	0.86	2.96	-0.06	0.76	0.46	-1.34*	3.73	1.57	1.67	-1.05	-0.97	-1.26	0.42	0.15
1972-73 SE OF DP		0.46	0.94	0.52	0.57	0.35	0.34	0.21	1.06	2.66	0.68	0.84	0.59	0.55	3.05	1.67	1.78	0.80	1.00	0.78	1.34	0.47

EXERCISE: 101042-234 UB112

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part C.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.19	0.09	0.48	0.12	0.12	0.00	0.39	0.12	0.82	0.00	0.00	0.00	0.29	0.00	0.66	0.48	0.75	0.00	0.26	0.00	0.00	0.12
1972-73 SE OF P-VAL	0.08	0.10	0.29	0.12	0.12	0.00	0.17	0.07	0.48	0.00	0.00	0.00	0.17	0.00	0.37	0.33	0.55	0.00	0.27	0.00	0.00	0.12
1972-73 DELTA-P		-0.10	0.29	-0.07	-0.07	-0.19*	0.20*	-0.07	0.63	-0.19*	-0.19*	-0.19*	0.10	-0.19*	0.47	0.29	0.56	-0.19*	0.07	-0.19*	-0.19*	-0.07
1972-73 SE OF DP		0.11	0.24	0.11	0.12	0.08	0.09	0.06	0.43	0.08	0.08	0.08	0.13	0.08	0.32	0.29	0.51	0.08	0.25	0.08	0.08	0.11
AGE: 17																						
1972-73 P-VALUE	0.14	0.46	0.06	0.00	0.00	0.29	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.04
1972-73 SE OF P-VAL	0.13	0.45	0.05	0.00	0.00	0.27	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.03
1972-73 DELTA-P		0.32	-0.08	-0.14	-0.14	0.15	-0.14	0.01	-0.05	-0.14	-0.14	-0.14	-0.14	0.16	-0.14	-0.14	-0.14	-0.14	-0.14	0.70	-0.14	-0.10
1972-73 SE OF DP		0.32	0.13	0.13	0.13	0.14	0.13	0.03	0.15	0.13	0.13	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.73	0.13	0.13
AGE: Ad																						
1972-73 P-VALUE	0.04	0.00	0.00	0.00	0.17	0.09	0.00	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.00	0.00	0.18	0.09	0.00	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 DELTA-P		-0.04	-0.04	-0.04	0.13	0.05	-0.04	-0.04	0.39	-0.04	-0.04	-0.04	0.11	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.35	-0.04	-0.04
1972-73 SE OF DP		0.05	0.05	0.05	0.13	0.05	0.05	0.05	0.38	0.05	0.05	0.05	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.34	0.05	0.05
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	83.99	84.02	84.17	83.49	84.36	84.24	83.72	85.38	74.91	84.17	79.47	81.66	84.26	87.52	78.80	79.78	78.52	83.46	82.96	77.20	85.90	90.12
1972-73 SE OF P-VAL	0.92	1.72	1.63	1.92	1.95	1.17	1.29	0.92	2.52	2.20	2.86	3.02	1.46	1.21	2.44	2.49	2.55	3.90	2.50	3.72	1.99	1.32
1972-73 DELTA-P		0.03	0.18	-0.50	0.37	0.25	-0.27	1.39#	-9.08#	0.18	-4.52	-2.33	0.27	3.53#	-5.19*	-4.21	-5.47*	-0.53	-1.03	-6.79*	1.91	6.13#
1972-73 SE OF DP		1.52	1.54	1.57	1.65	0.79	0.84	0.41	2.21	1.98	2.63	2.88	1.15	1.07	2.11	2.44	[illegible].49	3.77	2.30	3.38	2.00	1.33
AGE: 17																						
1972-73 P-VALUE	91.26	91.98	89.92	92.52	90.22	92.86	89.84	92.59	84.37	86.19	87.10	86.18	92.35	92.22	90.73	90.16	89.47	91.13	88.71	92.85	90.57	92.35
1972-73 SE OF P-VAL	0.86	1.53	1.75	1.21	2.28	0.85	1.28	0.78	2.64	5.22	2.61	2.72	1.21	1.17	2.47	2.81	2.81	3.58	3.81	2.01	2.14	1.03
1972-73 DELTA-P		0.72	-1.34	1.26	-1.04	1.60*	-1.42*	1.33#	-6.89#	-5.07	-4.16	-5.08*	1.09	0.96	-0.53	-1.10	-1.79	-0.13	-2.55	1.59	-0.69	1.09
1972-73 SE OF DP		1.33	1.60	1.19	1.83	0.74	0.66	0.42	2.34	4.93	2.45	2.48	0.92	0.84	2.35	2.59	2.72	3.37	3.45	1.93	1.98	0.98
AGE: Ad																						
1972-73 P-VALUE	87.60	84.37	85.30	91.68	88.21	89.91	85.46	88.77	82.65	78.76	84.26	87.84	88.92	89.28	88.12	89.10	83.38	86.19	88.22	83.33	85.86	90.47
1972-73 SE OF P-VAL	1.00	3.10	1.22	0.87	1.76	1.26	1.24	1.03	2.84	5.05	1.78	2.48	2.08	1.49	5.43	2.65	3.30	3.13	4.27	3.36	1.86	1.00
1972-73 DELTA-P		-3.23	-2.30	4.08#	0.61	2.31#	-2.14#	1.17#	-4.95	-8.84	-3.34*	0.24	1.32	1.68	0.52	1.50	-4.22	-1.41	0.62	-4.27	-1.74	2.87*
1972-73 SE OF DP		2.37	1.36	1.14	1.59	0.79	0.72	0.46	2.65	4.66	1.60	2.12	1.68	1.33	5.39	2.74	3.01	2.53	3.74	3.14	2.00	1.18
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.51	1.78	2.07	4.10	1.85	2.22	2.82	2.52	2.98	1.76	3.80	3.06	1.60	1.96	4.57	4.29	4.35	0.82	2.63	2.87	2.52	1.51
1972-73 SE OF P-VAL	0.45	0.63	0.60	1.24	0.65	0.59	0.55	0.51	0.86	1.03	1.64	1.22	0.58	0.65	1.04	1.83	1.46	0.64	1.08	1.15	1.19	0.49
1972-73 DELTA-P		-0.73	-0.44	1.59	-0.66	-0.29	0.31	0.01	0.47	-0.75	1.29	0.55	-0.91	-0.55	2.06*	1.78	1.84	-1.69*	0.12	0.36	0.01	-1.00
1972-73 SE OF DP		0.62	0.63	0.93	0.63	0.34	0.37	0.17	0.80	1.01	1.48	1.15	0.51	0.46	0.92	1.63	1.40	0.74	1.03	0.99	1.07	0.52
AGE: 17																						
1972-73 P-VALUE	1.72	1.64	2.54	1.84	0.98	1.40	2.00	1.56	2.93	1.33	2.37	3.27	2.07	0.94	2.77	0.80	3.60	2.03	2.41	1.04	1.60	1.62
1972-73 SE OF P-VAL	0.30	0.65	0.59	0.61	0.50	0.37	0.42	0.32	1.08	1.06	1.35	1.57	0.57	0.40	1.22	0.61	1.40	0.86	1.23	0.63	0.74	0.53
1972-73 DELTA-P		-0.08	0.82	0.12	-0.74	-0.32	0.28	-0.16	1.21	-0.39	0.65	1.55	0.35	-0.78*	1.05	-0.92	1.88	0.31	0.69	-0.68	-0.12	-0.10
1972-73 SE OF DP		0.53	0.55	0.51	0.46	0.27	0.25	0.15	0.99	1.04	1.29	1.48	0.46	0.37	1.16	0.62	1.33	0.83	1.23	0.66	0.62	0.37
AGE: Ad																						
1972-73 P-VALUE	2.47	1.86	4.35	1.83	2.28	1.64	3.24	2.38	2.86	3.17	3.93	0.81	2.03	2.21	5.17	4.45	2.69	2.90	2.88	1.18	2.14	2.25
1972-73 SE OF P-VAL	0.36	0.38	1.14	0.66	0.66	0.56	0.55	0.40	1.14	1.63	0.95	0.43	0.64	0.78	3.10	2.75	1.04	1.32	1.02	0.74	1.05	0.35
1972-73 DELTA-P		-0.61	1.88	-0.64	-0.19	-0.83	0.77	-0.09	0.39	0.70	1.46	-1.66#	-0.44	-0.26	2.70	1.98	0.22	0.43	0.41	-1.29	-0.33	-0.22
1972-73 SE OF DP		0.45	0.94	0.56	0.58	0.44	0.41	0.17	1.10	1.60	0.77	0.52	0.59	0.68	3.08	2.59	0.92	1.17	1.00	0.78	0.99	0.44

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101042-234 UB112

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part D.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.08	0.00	0.16	0.00	0.19	0.09	0.07	0.06	0.29	0.00	0.00	0.00	0.00	0.13	0.22	0.28	0.00	0.00	0.43	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.06	0.00	0.17	0.00	0.19	0.09	0.07	0.06	0.29	0.00	0.00	0.00	0.00	0.13	0.22	0.28	0.00	0.00	0.42	0.00	0.00	0.00
1972-73 DELTA-P		-0.08	0.08	-0.08	0.11	0.01	-0.01	-0.02	0.21	-0.08	-0.08	-0.08	-0.08	0.05	0.14	0.20	-0.08	-0.08	0.35	-0.08	-0.08	-0.08
1972-73 SE OF DP		0.06	0.14	0.06	0.15	0.06	0.06	0.04	0.26	0.06	0.06	0.06	0.06	0.09	0.20	0.25	0.06	0.06	0.38	0.06	0.06	0.06
AGE: 17																						
1972-73 P-VALUE	0.14	0.46	0.06	0.00	0.00	0.29	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.04
1972-73 SE OF P-VAL	0.13	0.45	0.05	0.00	0.00	0.27	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.03
1972-73 DELTA-P		0.32	-0.08	-0.14	-0.14	0.15	-0.14	0.01	-0.05	-0.14	-0.14	-0.14	-0.14	0.16	-0.14	-0.14	-0.14	-0.14	-0.14	0.70	-0.14	-0.10
1972-73 SE OF DP		0.32	0.13	0.13	0.13	0.14	0.13	0.03	0.15	0.13	0.13	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.73	0.13	0.13
AGE: Ad																						
1972-73 P-VALUE	0.15	0.00	0.53	0.00	0.17	0.09	0.21	0.13	0.43	0.00	0.00	0.00	0.15	0.42	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00
1972-73 SE OF P-VAL	0.12	0.00	0.53	0.00	0.18	0.09	0.21	0.13	0.43	0.00	0.00	0.00	0.15	0.42	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00
1972-73 DELTA-P		-0.15	0.38	-0.15	0.02	-0.06	0.06	-0.02	0.28	-0.15	-0.15	-0.15	0.00	0.27	-0.15	-0.15	-0.15	-0.15	-0.15	1.18	-0.15	-0.15
1972-73 SE OF DP		0.12	0.43	0.12	0.17	0.12	0.11	0.05	0.40	0.12	0.12	0.12	0.15	0.32	0.12	0.12	0.12	0.12	0.12	0.90	0.12	0.12
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	59.22	59.43	64.52	56.87	57.17	59.06	59.40	61.55	53.72	46.51	53.71	64.12	56.87	64.56	51.09	56.17	53.26	61.99	53.36	59.23	62.49	62.07
1972-73 SE OF P-VAL	1.43	2.72	3.11	2.95	2.47	1.73	2.15	1.51	3.33	3.90	3.61	3.73	2.99	1.88	2.81	4.13	3.56	4.01	3.28	2.95	3.51	2.62
1972-73 DELTA-P		0.21	5.30	-2.35	-2.05	-0.16	0.18	2.33#	-5.50	-12.71#	-5.51	4.90	-2.35	5.34#	-8.13#	-3.05	-5.96	2.77	-5.86	0.01	3.27	2.85
1972-73 SE OF DP		2.38	2.75	2.43	2.22	1.28	1.37	0.78	3.06	3.60	3.75	3.45	2.22	1.73	2.27	3.65	3.44	3.99	3.15	2.80	3.41	1.97
AGE: 17																						
1972-73 P-VALUE	71.50	71.85	71.22	67.79	75.36	74.00	69.28	73.78	58.83	64.81	67.47	70.09	71.32	73.37	64.93	77.71	51.05	77.95	66.72	72.16	73.83	72.48
1972-73 SE OF P-VAL	1.11	1.80	1.96	2.41	2.41	1.60	1.55	1.13	4.66	5.98	4.53	3.70	2.12	1.68	5.17	4.03	5.67	2.71	2.73	3.22	3.61	1.88
1972-73 DELTA-P		0.35	-0.28	-3.71	3.86	2.50*	-2.22*	2.28#	-12.67#	-6.69	-4.03	-1.41	-0.18	1.87	-6.57	6.21	-20.45#	6.45*	-4.78	0.66	2.33	0.98
1972-73 SE OF DP		1.64	1.87	1.96	2.03	1.18	1.04	0.83	4.21	5.76	4.26	3.66	1.73	1.26	5.15	3.90	5.25	2.73	2.65	3.26	3.35	1.63
AGE: Ad																						
1972-73 P-VALUE	70.48	70.48	70.21	69.17	72.14	72.98	68.15	72.44	61.38	57.28	67.56	61.78	72.01	78.02	61.34	71.48	66.53	71.32	73.00	70.34	67.98	71.10
1972-73 SE OF P-VAL	1.12	2.26	1.69	2.45	2.25	1.84	1.57	1.11	3.68	5.05	2.08	3.57	1.84	2.22	9.56	2.63	3.50	3.27	4.45	4.46	3.40	1.73
1972-73 DELTA-P		0.00	-0.27	-1.31	1.66	2.50	-2.33	1.96#	-9.10#	-13.20#	-2.92	-8.70#	1.53	7.54#	-9.14	1.00	-3.95	0.84	2.52	-0.14	-2.50	0.62
1972-73 SE OF DP		1.93	1.71	1.98	1.93	1.31	1.23	0.52	3.37	4.80	1.86	3.25	1.55	1.97	9.44	2.54	3.39	3.18	4.20	3.98	3.27	1.86
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.01	4.07	4.21	8.87	6.31	5.32	6.75	5.45	7.46	8.87	6.83	3.13	5.79	5.30	9.34	5.55	7.86	3.57	6.95	8.95	4.60	5.13
1972-73 SE OF P-VAL	0.68	1.31	0.69	1.54	1.37	0.98	0.84	0.72	1.18	2.33	1.83	1.13	1.24	0.85	1.51	1.92	1.71	1.34	1.99	3.10	1.08	0.77
1972-73 DELTA-P		-1.94	-1.80*	2.86*	0.30	-0.69	0.74	-0.56	1.45	2.86	0.82	-2.88*	-0.22	-0.71	3.33#	-0.46	1.85	-2.44	0.94	2.94	-1.41	-0.88
1972-73 SE OF DP		1.13	0.85	1.22	1.17	0.60	0.64	0.31	1.15	2.14	1.64	1.21	0.95	0.74	1.17	1.75	1.65	1.49	1.92	2.70	1.12	0.78
AGE: 17																						
1972-73 P-VALUE	5.32	6.98	3.97	5.36	4.55	4.24	6.28	5.28	5.91	4.52	3.73	6.54	5.73	4.54	8.97	1.29	8.98	5.82	6.79	5.75	5.47	4.81
1972-73 SE OF P-VAL	0.69	1.74	0.64	1.37	1.14	0.75	0.90	0.76	2.52	1.87	1.52	2.09	1.11	0.87	2.90	0.67	3.23	1.51	1.88	1.57	1.68	1.60
1972-73 DELTA-P		1.66	-1.35	0.04	-0.77	-1.08*	0.96*	-0.04	0.59	-0.80	-1.59	1.22	0.41	-0.78	3.65	-4.03#	3.66	0.50	1.47	0.43	0.15	-0.51
1972-73 SE OF DP		1.36	0.84	1.16	1.06	0.49	0.43	0.38	2.33	1.88	1.50	1.90	0.86	0.52	2.82	0.89	2.99	1.48	1.76	1.54	1.70	1.24
AGE: Ad																						
1972-73 P-VALUE	7.09	5.50	7.45	9.36	5.90	5.62	8.46	6.58	10.53	8.44	9.13	7.76	7.33	3.71	12.65	8.93	8.10	5.80	11.00	5.58	6.15	6.75
1972-73 SE OF P-VAL	0.67	1.08	1.88	1.31	1.06	1.01	0.91	0.70	2.81	2.26	1.57	1.73	1.22	1.06	5.13	3.32	1.95	1.65	2.91	1.62	1.87	0.78
1972-73 DELTA-P		-1.59	0.36	2.27*	-1.19	-1.47*	1.37*	-0.51	3.44	1.35	2.04	0.67	0.24	-3.38#	5.56	1.84	1.01	-1.29	3.91	-1.51	-0.94	-0.34
1972-73 SE OF DP		1.01	1.59	1.08	1.00	0.70	0.66	0.34	2.62	2.19	1.22	1.56	1.11	1.03	5.07	3.12	1.78	1.51	2.75	1.46	1.76	0.73

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101042-234 UB112

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

Part E.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.08	0.00	0.16	0.00	0.19	0.09	0.07	0.06	0.29	0.00	0.00	0.00	0.00	0.13	0.22	0.28	0.00	0.00	0.43	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.06	0.00	0.17	0.00	0.19	0.09	0.07	0.06	0.29	0.00	0.00	0.00	0.00	0.13	0.22	0.28	0.00	0.00	0.42	0.00	0.00	0.00
1972-73 DELTA-P		-0.08	0.08	-0.08	0.11	0.01	-0.01	-0.02	0.21	-0.08	-0.08	-0.08	-0.08	0.05	0.14	0.20	-0.08	-0.08	0.35	-0.08	-0.08	-0.08
1972-73 SE OF DP		0.06	0.14	0.06	0.15	0.06	0.06	0.04	0.26	0.06	0.06	0.06	0.06	0.09	0.20	0.25	0.06	0.06	0.38	0.06	0.06	0.06
AGE: 17																						
1972-73 P-VALUE	0.14	0.46	0.06	0.00	0.00	0.29	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.04
1972-73 SE OF P-VAL	0.13	0.45	0.05	0.00	0.00	0.27	0.00	0.15	0.09	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.03
1972-73 DELTA-P		0.32	-0.08	-0.14	-0.14	0.15	-0.14	0.01	-0.05	-0.14	-0.14	-0.14	-0.14	0.16	-0.14	-0.14	-0.14	-0.14	-0.14	0.70	-0.14	-0.10
1972-73 SE OF DP		0.32	0.13	0.13	0.13	0.14	0.13	0.03	0.15	0.13	0.13	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.73	0.13	0.13
AGE: Ad																						
1972-73 P-VALUE	0.04	0.00	0.00	0.00	0.17	0.09	0.00	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.00	0.00	0.18	0.09	0.00	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 DELTA-P		-0.04	-0.04	-0.04	0.13	0.05	-0.04	-0.04	0.39	-0.04	-0.04	-0.04	0.11	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.35	-0.04	-0.04
1972-73 SE OF DP		0.05	0.05	0.05	0.13	0.05	0.05	0.05	0.38	0.05	0.05	0.05	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.34	0.05	0.05
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	78.79	77.13	80.07	78.04	80.20	79.57	77.96	79.88	73.63	76.34	72.69	74.94	78.06	83.66	74.05	78.58	73.01	80.38	75.72	75.92	80.11	81.96
1972-73 SE OF P-VAL	1.17	2.92	2.37	2.10	1.77	1.37	1.59	1.41	2.66	3.01	4.16	3.73	1.59	1.41	2.30	2.78	2.66	3.97	2.34	4.45	2.97	1.74
1972-73 DELTA-P		-1.66	1.28	-0.75	1.41	0.78	-0.83	1.09*	-5.16	-2.45	-6.10	-3.85	-0.73	4.87#	-4.74*	-0.21	-5.78*	1.59	-3.07	-2.87	1.32	3.19*
1972-73 SE OF DP		2.35	2.14	1.82	1.70	0.88	0.93	0.47	2.68	3.02	3.90	3.50	1.13	1.00	1.93	2.54	2.69	3.65	2.54	3.92	2.83	1.43
AGE: 17																						
1972-73 P-VALUE	91.87	93.10	89.65	90.54	93.79	93.77	90.18	94.38	76.78	87.36	88.61	85.85	90.47	94.51	91.79	90.85	78.18	95.71	93.86	92.07	92.68	93.17
1972-73 SE OF P-VAL	0.74	1.52	1.67	1.51	1.26	0.78	1.12	0.76	2.26	2.71	2.96	2.54	1.58	0.86	2.33	2.33	2.67	1.69	1.63	2.49	2.20	1.27
1972-73 DELTA-P		1.23	-2.22	-1.33	1.92	1.90#	-1.69#	2.51#	-15.09#	-4.51	-3.26	-6.02*	-1.40	2.64#	-0.08	-1.02	-13.69#	3.84*	1.99	0.20	0.81	1.30
1972-73 SE OF DP		1.27	1.49	1.27	1.15	0.66	0.59	0.52	2.17	2.88	2.84	2.55	1.19	0.68	2.36	2.27	2.62	1.61	1.69	2.36	1.96	1.10
AGE: Ad																						
1972-73 P-VALUE	92.58	92.85	91.06	93.58	91.70	93.31	91.90	93.71	88.88	82.05	88.67	89.71	94.00	96.83	91.16	91.56	86.14	98.15	91.49	91.79	91.09	93.25
1972-73 SE OF P-VAL	0.63	1.25	1.32	1.06	1.42	0.92	0.92	0.55	2.79	4.32	1.69	2.02	1.06	0.67	3.96	2.87	2.34	0.70	2.62	1.70	2.42	0.84
1972-73 DELTA-P		0.27	-0.62	1.00	-0.88	0.73	-0.68	1.13#	-3.70	-10.53#	-3.91#	-2.87	1.42	4.25#	-1.42	-1.02	-6.44#	5.57#	-1.09	-0.79	-1.49	0.67
1972-73 SE OF DP		1.07	1.19	0.95	1.18	0.70	0.65	0.41	2.56	4.08	1.42	1.81	1.04	0.67	3.96	2.65	2.21	0.91	2.41	1.62	2.25	0.73
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.01	1.71	2.63	3.56	4.02	2.36	3.71	2.53	3.52	6.46	5.28	4.87	2.40	1.79	4.80	3.80	4.81	2.31	3.99	2.31	1.41	3.05
1972-73 SE OF P-VAL	0.40	0.53	0.68	0.58	1.14	0.44	0.70	0.37	1.11	2.33	1.67	1.45	0.69	0.50	0.98	1.18	1.33	1.37	2.09	0.80	0.56	0.68
1972-73 DELTA-P		-1.30*	-0.38	0.55	1.01	-0.65	0.70	-0.48	0.51	3.45	2.27	1.86	-0.61	-1.22#	1.79	0.79	1.80	-0.70	0.98	-0.70	-1.60*	0.04
1972-73 SE OF DP		0.54	0.65	0.55	0.88	0.41	0.44	0.31	1.05	2.12	1.56	1.38	0.55	0.38	0.93	1.06	1.33	1.37	1.89	0.81	0.66	0.59
AGE: 17																						
1972-73 P-VALUE	1.81	1.23	2.19	2.28	1.62	1.28	2.28	0.98	6.62	3.79	1.52	3.07	1.78	1.47	2.90	0.76	8.88	0.66	0.53	1.20	3.01	0.94
1972-73 SE OF P-VAL	0.30	0.53	0.71	0.61	0.57	0.37	0.46	0.24	1.44	1.73	0.94	1.20	0.45	0.41	1.31	0.51	2.02	0.55	0.53	0.66	0.91	0.33
1972-73 DELTA-P		-0.58	0.38	0.47	-0.19	-0.53	0.47	-0.83#	4.81#	1.98	-0.29	1.26	-0.03	-0.34	1.09	-1.05	7.07#	-1.15*	-1.28	-0.61	1.20	-0.87*
1972-73 SE OF DP		0.46	0.62	0.51	0.50	0.30	0.27	0.27	1.29	1.61	1.00	1.05	0.40	0.27	1.25	0.53	1.86	0.56	0.65	0.62	0.84	0.37
AGE: Ad																						
1972-73 P-VALUE	1.67	1.97	1.97	0.96	1.91	1.24	2.07	1.45	2.19	4.08	3.15	1.09	1.68	0.16	4.83	2.39	2.80	0.00	2.17	2.25	1.87	1.50
1972-73 SE OF P-VAL	0.27	0.52	0.61	0.38	0.65	0.35	0.42	0.26	0.92	2.25	0.72	0.56	0.54	0.11	2.88	1.30	1.23	0.00	1.20	0.97	0.91	0.45
1972-73 DELTA-P		0.30	0.30	-0.71	0.24	-0.43	0.40	-0.22	0.52	2.41	1.48#	-0.58	0.01	-1.51#	3.16	0.72	1.13	-1.67#	0.50	0.58	0.20	-0.17
1972-73 SE OF DP		0.45	0.54	0.36	0.53	0.29	0.26	0.17	0.88	2.13	0.56	0.59	0.47	0.26	2.78	1.23	1.16	0.27	1.14	0.92	0.87	0.36

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101043-12

72-73 Report #: UB113

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	04-14	07-20
72-73 National P-val:		
UB113	14.47	79.27

Timing: (in seconds)

	Stimulus:	17	16
	Response:	16	17
	I don't know:	4	5
	Pause:	6	6
UB113	Exercise total:	43	44

EXERCISE: 101043-12 UB113

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	2.58	1.22	0.98	1.14	7.37	2.42	2.73	2.72	2.45	1.11	0.00	0.00	1.66	4.42	2.20	1.64	2.14	7.80	0.36	1.26	5.30	1.04
1972-73 SE OF P-VAL	1.25	0.68	0.39	0.57	5.22	1.12	1.43	1.44	1.06	1.15	0.00	0.00	1.03	2.36	0.86	1.07	1.54	7.51	0.36	0.80	5.13	0.45
1972-73 DELTA-P		-1.36	-1.60	-1.44	4.79	-0.16	0.15	0.14	-0.13	-1.47	-2.58*	-2.58*	-0.92*	1.84	-0.38	-0.94	-0.44	5.22	-2.22	-1.32	2.72	-1.54
1972-73 SE OF DP		1.35	1.28	1.30	4.01	0.33	0.31	0.27	1.32	0.87	1.25	1.25	0.39	1.15	0.61	1.58	1.85	6.66	1.26	1.36	4.45	1.27
AGE: 13																						
1972-73 P-VALUE	2.69	0.16	0.00	1.66	9.02	2.57	2.81	3.36	0.00	0.00	2.44	1.14	3.23	3.05	1.50	4.23	0.00	0.00	5.64	0.22	6.82	1.81
1972-73 SE OF P-VAL	1.58	0.13	0.00	1.62	6.16	1.88	1.69	1.96	0.00	0.00	1.44	0.87	1.98	1.94	0.84	3.91	0.00	0.00	5.21	0.22	6.50	1.79
1972-73 DELTA-P		-2.53	-2.69	-1.03	6.33	-0.12	0.12	0.67	-2.69	-2.69	-0.25	-1.55	0.54	0.36	-1.19	1.54	-2.69	-2.69	2.95	-2.47	4.13	-0.88
1972-73 SE OF DP		1.58	1.58	1.92	4.68	0.23	0.23	0.39	1.58	1.58	1.42	1.35	0.45	0.46	0.99	3.79	1.58	1.58	4.33	1.58	5.56	1.34
RESPONSE: 02* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	14.47	9.66	11.01	17.80	18.71	15.84	13.17	16.47	5.68	8.98	4.11	6.47	11.57	22.03	12.08	5.20	4.89	20.71	9.54	23.33	17.59	13.11
1972-73 SE OF P-VAL	1.20	2.30	1.71	2.65	2.27	1.72	1.34	1.43	1.34	2.76	1.62	3.19	1.51	2.08	1.64	1.68	2.52	4.51	2.40	4.20	2.57	1.72
1972-73 DELTA-P		-4.81*	-3.46	3.33	4.24*	1.37	-1.30	2.00#	-8.79#	-5.49	-10.36#	-8.00#	-2.90*	7.56#	-2.39	-9.27#	-9.58#	6.24	-4.93	8.86*	3.12	-1.36
1972-73 SE OF DP		2.01	1.74	2.05	2.05	0.98	0.93	0.49	1.62	2.79	1.81	3.00	1.40	1.46	1.22	1.94	2.44	4.19	2.54	3.72	2.47	1.60
AGE: 13																						
1972-73 P-VALUE	79.27	79.64	75.55	83.96	77.08	79.25	79.29	83.37	60.83	67.65	66.31	73.64	78.86	88.39	63.47	73.36	60.79	93.33	76.74	86.69	79.90	77.49
1972-73 SE OF P-VAL	1.78	2.60	1.86	2.92	5.71	1.81	2.03	2.12	3.20	4.40	3.47	3.33	2.26	2.11	3.43	5.87	5.76	1.52	5.05	2.67	6.18	2.50
1972-73 DELTA-P		0.37	-3.72	4.69	-2.19	-0.02	0.02	4.10#	-18.44#	-11.62#	-12.96#	-5.63	-0.41	9.12#	-15.80#	-5.91	-18.48#	14.06#	-2.53	7.42#	0.63	-1.78
1972-73 SE OF DP		2.55	2.25	2.66	4.47	0.73	0.71	0.81	3.38	4.43	3.26	3.10	1.29	1.02	2.95	5.43	5.68	2.21	4.52	2.90	5.43	2.03
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	4.48	3.91	3.94	5.51	4.32	4.32	4.63	4.64	4.07	3.35	4.73	5.54	3.93	2.84	5.98	3.97	3.57	3.14	7.31	3.75	2.90	5.43
1972-73 SE OF P-VAL	0.54	1.00	1.32	1.04	0.96	0.66	0.76	0.62	0.88	1.21	2.10	1.96	1.07	0.65	0.87	1.56	1.41	1.25	1.99	1.20	0.80	0.96
1972-73 DELTA-P		-0.57	-0.54	1.03	-0.16	-0.16	0.15	0.16	-0.41	-1.13	0.25	1.06	-0.55	-1.64#	1.50#	-0.51	-0.91	-1.34	2.83	-0.73	-1.58	0.95
1972-73 SE OF DP		0.91	1.10	0.87	0.89	0.48	0.46	0.17	0.80	1.29	1.99	1.83	0.87	0.61	0.59	1.51	1.34	1.13	1.84	1.14	0.82	0.72
AGE: 13																						
1972-73 P-VALUE	1.75	2.16	3.10	1.88	0.36	2.11	1.39	1.54	3.14	1.16	4.02	1.85	2.11	0.35	3.82	2.84	1.69	0.99	0.27	0.97	1.42	2.70
1972-73 SE OF P-VAL	0.29	0.81	0.68	0.44	0.16	0.48	0.24	0.34	0.88	0.65	1.29	0.93	0.54	0.15	1.22	0.91	0.75	0.75	0.26	0.58	0.65	0.90
1972-73 DELTA-P		0.41	1.35*	-0.27	-1.39#	0.36	-0.36	-0.21	1.39	-0.59	2.27	0.10	0.36	-1.40#	2.07*	1.09	-0.06	-0.76	-1.48#	-0.78	-0.33	0.95
1972-73 SE OF DP		0.64	0.57	0.41	0.31	0.24	0.23	0.15	0.82	0.69	1.25	1.03	0.38	0.30	1.00	0.94	0.76	0.73	0.39	0.57	0.63	0.70

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101044-23

72-73 Report #: UB114

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	09-10	08-22
72-73 National P-val:		
UB114	70.95	87.71
Timing: (in seconds)		
Stimulus:	12	11
Response:	18	19
I don't know:	5	5
Pause:	6	6
UB114 Exercise total:	41	41

EXERCISE: 101044-23 UB114

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.18	0.16	0.19	0.23	0.13	0.31	0.04	0.16	0.16	0.50	0.00	0.00	0.37	0.00	0.44	0.00	0.30	0.00	0.00	0.37	0.84	0.00
1972-73 SE OF P-VAL	0.09	0.11	0.19	0.23	0.13	0.16	0.04	0.09	0.16	0.52	0.00	0.00	0.23	0.00	0.34	0.00	0.29	0.00	0.00	0.27	0.56	0.00
1972-73 DELTA-P		-0.02	0.01	0.05	-0.05	0.13	-0.14	-0.02	-0.02	0.32	-0.18*	-0.18*	0.19	-0.18*	0.26	-0.18*	0.12	-0.18*	-0.18*	0.19	0.66	-0.18*
1972-73 SE OF DP		0.12	0.16	0.18	0.13	0.08	0.09	0.04	0.17	0.49	0.09	0.09	0.17	0.09	0.29	0.09	0.28	0.09	0.09	0.24	0.49	0.09
AGE: 17																						
1972-73 P-VALUE	0.97	0.49	0.35	0.21	2.92	0.92	1.02	0.82	0.45	4.68	1.19	0.96	0.99	0.66	2.74	0.00	0.59	0.52	0.00	6.70	0.00	0.38
1972-73 SE OF P-VAL	0.72	0.29	0.21	0.21	2.94	0.68	0.78	0.59	0.34	4.34	1.18	0.76	0.98	0.56	1.41	0.00	0.43	0.43	0.00	6.46	0.00	0.21
1972-73 DELTA-P		-0.48	-0.62	-0.76	1.95	-0.05	0.05	-0.15	-0.52	3.71	0.22	-0.01	0.02	-0.31	1.77	-0.97	-0.38	-0.45	-0.97	5.73	-0.97	-0.59
1972-73 SE OF DP		0.75	0.74	0.73	2.23	0.12	0.11	0.15	0.77	3.65	0.49	0.24	0.29	0.19	1.50	0.72	0.84	0.77	0.72	5.77	0.72	0.73
RESPONSE: 04* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	70.95	72.34	73.73	68.75	69.31	70.84	71.07	75.46	51.39	49.02	64.02	64.20	73.67	78.02	52.60	66.45	46.58	75.13	65.69	73.85	70.02	75.94
1972-73 SE OF P-VAL	1.42	2.78	3.31	2.39	2.83	1.73	1.81	1.53	3.01	4.76	5.97	3.56	2.35	1.62	3.01	3.47	3.56	3.28	4.80	2.80	4.86	2.51
1972-73 DELTA-P		1.39	2.78	-2.20	-1.64	-0.11	0.12	4.51#	-19.56#	-21.93#	-6.93	-6.75	2.72	7.07#	-18.35#	-4.50	-24.37#	4.18	-5.26	2.90	-0.93	4.99#
1972-73 SE OF DP		2.41	2.79	2.10	2.41	1.02	1.10	0.76	2.85	4.45	5.37	3.41	1.62	1.29	3.02	3.24	3.64	3.29	4.67	2.81	4.42	1.95
AGE: 17																						
1972-73 P-VALUE	87.71	90.16	89.11	89.27	82.10	86.97	88.39	90.20	77.48	70.44	78.29	83.59	88.37	91.44	75.98	91.03	81.55	91.08	82.56	79.98	86.83	90.92
1972-73 SE OF P-VAL	1.20	1.40	2.74	1.70	3.49	1.85	1.17	1.00	2.81	5.94	3.23	3.08	1.65	1.11	3.70	1.90	3.08	1.47	3.13	5.80	2.59	1.62
1972-73 DELTA-P		2.45	1.40	1.56	-5.61*	-0.74	0.68	2.49#	-10.23#	-17.27#	-9.42#	-4.12	0.66	3.73#	-11.73#	3.32	-6.16*	3.37	-5.15	-7.73	-0.88	3.21*
1972-73 SE OF DP		1.54	2.40	1.64	2.79	1.00	0.92	0.51	2.55	5.40	2.71	2.51	1.18	0.96	3.34	2.08	2.83	1.77	3.13	5.08	2.38	1.42
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	6.18	4.77	4.22	9.40	6.06	6.27	6.08	5.64	7.79	10.05	3.36	6.19	4.59	5.26	13.29	9.85	9.22	4.96	5.80	7.93	5.06	4.68
1972-73 SE OF P-VAL	0.64	0.74	0.93	1.73	1.14	0.88	0.80	0.62	1.63	2.58	1.27	1.76	1.00	0.97	2.70	4.34	2.29	1.80	1.95	1.62	1.24	0.80
1972-73 DELTA-P		-1.41	-1.96*	3.22*	-0.12	0.09	-0.10	-0.54*	1.61	3.87	-2.82*	0.01	-1.59	-0.92	7.11#	3.67	3.04	-1.22	-0.38	1.75	-1.12	-1.50
1972-73 SE OF DP		0.84	0.93	1.32	1.01	0.53	0.57	0.26	1.57	2.24	1.37	1.71	1.07	0.74	2.30	3.98	2.22	1.70	1.93	1.57	1.24	0.84
AGE: 17																						
1972-73 P-VALUE	2.65	1.79	3.97	2.32	2.77	2.84	2.48	2.24	5.55	2.59	2.55	1.59	2.75	2.73	3.48	1.43	4.79	1.97	2.16	6.51	2.42	1.73
1972-73 SE OF P-VAL	0.49	0.60	1.81	0.71	0.60	0.88	0.48	0.49	1.52	1.41	1.15	0.93	0.71	0.73	1.42	0.81	1.53	0.66	1.29	2.46	1.03	0.48
1972-73 DELTA-P		-0.86	1.32	-0.33	0.12	0.19	-0.17	-0.41	2.90*	-0.06	-0.10	-1.06	0.10	0.08	0.83	-1.22	2.14	-0.68	-0.49	3.86	-0.23	-0.92
1972-73 SE OF DP		0.65	1.44	0.67	0.66	0.50	0.46	0.21	1.39	1.21	1.14	0.84	0.50	0.47	1.37	0.88	1.41	0.75	1.04	2.15	0.96	0.54

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101045-2

72-73 Report #: UB115

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	01-13
72-73 National P-val:	
UB115	48.65

Timing: (in seconds)

	Stimulus:	22
	Response:	38
	I don't know:	5
	Pause:	6
UB115	Exercise total:	71

EXERCISE: 101045-2 UB115

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.10	0.40	0.00	0.00	0.00	0.19	0.00	0.05	0.48	0.00	0.00	0.00	0.26	0.00	0.15	0.00	0.00	0.00	0.53	0.00	0.00	0.08
1972-73 SE OF P-VAL	0.06	0.25	0.00	0.00	0.00	0.12	0.00	0.04	0.35	0.00	0.00	0.00	0.19	0.00	0.15	0.00	0.00	0.00	0.37	0.00	0.00	0.08
1972-73 DELTA-P		0.30	-0.10	-0.10	-0.10	0.09	-0.10	-0.05	0.38	-0.10	-0.10	-0.10	0.16	-0.10	0.05	-0.10	-0.10	-0.10	0.43	-0.10	-0.10	-0.02
1972-73 SE OF DP		0.19	0.06	0.06	0.06	0.04	0.06	0.05	0.31	0.06	0.06	0.06	0.13	0.06	0.14	0.06	0.06	0.06	0.32	0.06	0.06	0.08
RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	48.65	50.54	47.47	47.16	49.66	49.16	48.12	51.47	37.67	37.41	42.10	38.12	46.36	58.48	35.50	47.96	43.09	60.04	46.44	41.94	45.83	50.76
1972-73 SE OF P-VAL	1.41	3.97	2.37	2.13	2.46	1.66	1.95	1.47	2.59	5.12	4.21	3.17	2.48	2.23	2.76	3.32	5.65	4.23	3.12	4.48	3.68	2.47
1972-73 DELTA-P		1.89	-1.18	-1.49	1.01	0.51	-0.53	2.82#	-10.98#	-11.24*	-6.55	-10.53#	-2.29	9.83#	-13.15#	-0.69	-5.56	11.39#	-2.21	-6.71	-2.82	2.11
1972-73 SE OF DP		3.15	2.30	1.93	2.20	1.11	1.15	0.66	2.47	4.87	4.16	3.33	1.90	1.66	2.71	3.37	5.58	3.92	3.05	3.96	3.51	2.19
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	18.79	14.87	14.58	23.56	20.44	15.75	21.95	18.04	21.62	22.01	21.61	21.58	18.40	15.77	24.72	16.12	24.29	15.38	23.84	22.98	18.21	15.98
1972-73 SE OF P-VAL	1.26	2.38	1.80	2.02	2.03	1.20	1.94	1.32	2.52	5.65	4.13	3.83	2.42	1.22	2.48	3.41	4.58	3.12	3.71	3.80	2.42	2.04
1972-73 DELTA-P		-3.92	-4.21*	4.77*	1.65	-3.04#	3.16#	-0.75	2.83	3.22	2.82	2.79	-0.39	-3.02*	5.93#	-2.67	5.50	-3.41	5.05	4.19	-0.58	-2.81
1972-73 SE OF DP		2.09	1.87	2.09	1.95	0.97	1.02	0.55	2.29	5.30	3.59	3.42	1.59	1.24	2.06	3.14	4.50	3.07	3.29	3.45	2.43	1.82

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

422

421

NAEP #: 101048-1

72-73 Report #: UB116

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 06-31

72-73 National P-val:
UB116 49.24

Timing: (in seconds)
Stimulus: 21
Response: 11
I don't know: 5
Pause: 6
UB116 Exercise total: 43

423

EXERCISE: 101048-1 UB116

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.43	0.95	0.12	0.45	0.10	0.64	0.22	0.26	0.98	1.13	0.00	0.00	0.09	0.44	0.73	0.00	1.48	0.42	1.11	0.23	0.43	0.06
1972-73 SE OF P-VAL	0.13	0.37	0.12	0.24	0.10	0.23	0.16	0.14	0.41	0.92	0.00	0.00	0.09	0.23	0.27	0.00	0.84	0.41	0.52	0.24	0.41	0.07
1972-73 DELTA-P		0.52	-0.31*	0.02	-0.33*	0.21	-0.21	-0.17	0.55	0.70	-0.43#	-0.43#	-0.34*	0.01	0.30	-0.43#	1.05	-0.01	0.68	-0.20	0.00	-0.37#
1972-73 SE OF DP		0.29	0.15	0.20	0.15	0.15	0.15	0.10	0.36	0.90	0.13	0.13	0.14	0.19	0.18	0.13	0.79	0.37	0.48	0.24	0.36	0.13
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	49.24	50.10	45.18	51.40	49.98	50.75	47.69	52.56	35.96	40.58	39.82	50.73	50.40	55.05	45.33	45.53	35.87	61.92	47.72	48.05	53.43	48.10
1972-73 SE OF P-VAL	1.19	1.95	3.00	2.12	2.20	1.75	1.82	1.14	2.53	4.31	4.08	4.83	2.86	2.13	1.49	2.98	3.19	4.06	3.87	3.15	3.40	2.14
1972-73 DELTA-P		0.86	-4.06	2.16	0.74	1.51	-1.55	3.32#	-13.28#	-8.66*	-9.42#	1.49	1.16	5.81#	-3.91#	-3.71	-13.37#	12.68#	-1.52	-1.19	4.19	-1.14
1972-73 SE OF DP		1.78	2.45	1.80	2.07	1.31	1.35	0.66	2.24	4.12	3.62	4.83	2.25	1.75	1.45	2.98	3.12	3.85	3.57	3.12	3.12	1.85
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.22	2.29	4.31	3.54	2.69	2.76	3.70	2.40	5.96	6.57	5.34	4.42	1.83	1.86	4.60	2.20	7.18	1.04	2.92	2.88	2.27	4.04
1972-73 SE OF P-VAL	0.47	0.54	1.07	1.10	0.84	0.55	0.64	0.38	1.33	2.29	2.09	2.06	0.64	0.63	0.82	0.95	1.53	0.61	1.62	0.85	1.37	0.70
1972-73 DELTA-P		-0.93	1.09	0.32	-0.53	-0.46	0.48	-0.82#	2.74*	3.35	2.12	1.20	-1.39*	-1.36#	1.38*	-1.02	3.96#	-2.18#	-0.30	-0.34	-0.95	0.82
1972-73 SE OF DP		0.59	0.90	0.86	0.79	0.37	0.38	0.29	1.10	2.11	2.03	1.90	0.64	0.53	0.58	0.99	1.34	0.69	1.42	0.80	1.23	0.62

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101049-123

72-73 Report #: UB117

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13	17IS
72-73 Package-Exercise:	02-07	08-11	04-05
72-73 National P-val:			
UB117	45.15	73.73	85.01
Timing: (in seconds)			
Stimulus:	18	19	18
Response:	12	11	12
I don't know:	5	5	5
Pause:	6	6	6
UB117 Exercise total:	41	41	41

EXERCISE: 101049-123 0B117

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.31	0.33	0.81	0.09	0.00	0.46	0.16	0.28	0.60	0.00	1.37	0.00	0.00	0.16	0.48	0.89	0.00	0.00	0.00	0.85	0.00	0.28
1972-73 SE OF P-VAL	0.15	0.34	0.46	0.09	0.00	0.24	0.12	0.16	0.60	0.00	1.26	0.00	0.00	0.16	0.26	0.71	0.00	0.00	0.00	0.58	0.00	0.28
1972-73 DELTA-P		0.02	0.50	-0.22	-0.31*	0.15	-0.15	-0.03	0.29	-0.31*	1.06	-0.31*	-0.31*	-0.15	0.17	0.58	-0.31*	-0.31*	-0.31*	0.54	-0.31*	-0.03
1972-73 SE OF DP		0.27	0.36	0.16	0.15	0.12	0.12	0.09	0.53	0.15	1.20	0.15	0.15	0.14	0.16	0.65	0.15	0.15	0.15	0.50	0.15	0.22
AGE: 13																						
1972-73 P-VALUE	0.14	0.07	0.00	0.27	0.21	0.07	0.21	0.09	0.00	0.94	0.00	0.00	0.26	0.00	0.44	0.00	0.70	0.00	0.00	0.49	0.10	0.00
1972-73 SE OF P-VAL	0.08	0.07	0.00	0.27	0.15	0.05	0.16	0.09	0.00	0.51	0.00	0.00	0.26	0.00	0.26	0.00	0.50	0.00	0.00	0.48	0.10	0.00
1972-73 DELTA-P		-0.07	-0.14	0.13	0.07	-0.07	0.07	-0.05	-0.14	0.80	-0.14	-0.14	0.12	-0.14	0.30	-0.14	0.56	-0.14	-0.14	0.35	-0.04	-0.14
1972-73 SE OF DP		0.10	0.08	0.20	0.13	0.08	0.09	0.04	0.08	0.48	0.08	0.08	0.19	0.08	0.23	0.08	0.46	0.08	0.08	0.40	0.12	0.08
AGE: 17																						
1972-73 P-VALUE	0.29	0.82	0.23	0.00	0.08	0.29	0.29	0.30	0.32	0.00	0.00	0.40	0.14	0.04	3.22	0.00	1.05	1.13	0.00	0.00	0.00	0.21
1972-73 SE OF P-VAL	0.16	0.55	0.23	0.00	0.08	0.15	0.22	0.18	0.32	0.00	0.00	0.39	0.14	0.04	2.43	0.00	0.74	1.22	0.00	0.00	0.00	0.16
1972-73 DELTA-P		0.53	-0.06	-0.29	-0.21	0.00	0.00	0.01	0.03	-0.29	-0.29	0.11	-0.15	-0.25	2.93	-0.29	0.76	0.84	-0.29	-0.29	-0.29	-0.08
1972-73 SE OF DP		0.41	0.24	0.16	0.17	0.10	0.11	0.05	0.32	0.16	0.16	0.38	0.14	0.16	2.20	0.16	0.69	1.09	0.16	0.16	0.16	0.18
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	45.15	41.51	38.78	49.93	50.82	47.28	43.08	46.21	39.30	45.00	36.90	38.08	46.32	51.62	41.88	41.83	38.74	48.78	48.10	46.82	44.72	45.74
1972-73 SE OF P-VAL	1.56	4.02	2.10	2.93	2.38	1.98	2.10	1.79	2.93	4.64	5.09	4.74	2.53	2.14	2.02	3.97	2.95	6.57	6.47	3.13	4.13	3.02
1972-73 DELTA-P		-3.64	-6.37#	4.78	5.67*	2.13	-2.07	1.06	-5.85	-0.15	-8.25	-7.07	1.17	6.47#	-3.27#	-3.32	-6.41*	3.63	2.95	1.67	-0.43	0.59
1972-73 SE OF DP		3.15	2.12	2.58	2.30	1.34	1.31	0.64	2.93	4.33	5.38	4.59	1.87	1.46	1.15	3.85	2.95	6.00	6.20	3.00	3.94	2.49
AGE: 13																						
1972-73 P-VALUE	73.73	77.37	71.13	75.37	71.17	77.40	70.00	77.45	55.96	63.94	62.13	66.91	74.63	80.88	61.77	74.50	58.93	85.08	72.31	75.14	71.01	74.42
1972-73 SE OF P-VAL	1.50	2.47	4.08	2.61	2.49	1.35	2.00	1.69	2.99	4.01	6.24	3.41	2.16	1.09	2.59	6.44	4.07	3.31	3.57	3.21	1.91	2.73
1972-73 DELTA-P		3.64	-2.60	1.64	-2.56	3.67#	-3.73#	3.72#	-17.77#	-9.79*	-11.60*	-6.82*	0.90	7.15#	-11.96#	0.77	-14.80#	11.35#	-1.42	1.41	-2.72	0.69
1972-73 SE OF DP		2.31	3.27	2.35	2.31	0.79	0.84	0.73	3.04	4.15	5.52	3.23	1.66	1.41	2.21	5.70	4.17	3.31	3.48	3.03	2.06	2.04
AGE: 17																						
1972-73 P-VALUE	85.01	87.48	81.30	85.05	85.10	87.99	81.96	87.81	68.76	75.86	72.57	79.05	84.20	89.55	75.41	82.47	71.07	89.58	83.33	83.82	87.49	87.48
1972-73 SE OF P-VAL	1.04	1.44	2.09	2.33	2.17	1.20	1.69	0.95	4.01	4.90	3.75	3.31	1.56	1.40	3.70	3.74	3.76	2.12	3.33	2.73	2.75	1.49
1972-73 DELTA-P		2.47	-3.71	0.04	0.09	2.98#	-3.05#	2.80#	-16.25#	-9.15	-12.44#	-5.96*	-0.81	4.54#	-9.60#	-2.54	-13.94#	4.57*	-1.68	-1.19	2.48	2.47
1972-73 SE OF DP		1.41	1.94	1.80	1.90	0.96	1.09	0.62	3.56	4.94	3.58	2.91	1.40	1.03	3.55	3.78	3.41	1.95	2.95	2.39	2.56	1.54
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	20.71	20.24	24.57	17.62	20.73	17.21	24.11	21.04	17.65	23.33	23.39	20.13	17.91	13.73	26.77	23.02	22.19	19.74	10.26	22.24	22.29	20.68
1972-73 SE OF P-VAL	1.00	1.89	1.98	2.26	1.74	1.28	1.45	1.08	2.23	3.30	3.50	4.63	2.09	1.39	1.50	3.48	2.41	3.92	3.87	3.04	2.05	1.51
1972-73 DELTA-P		-0.47	3.86*	-3.09	0.02	-3.50#	3.40#	0.33	-3.06	2.62	2.68	-0.58	-2.80	-6.98#	6.06#	2.31	1.48	-0.97	-10.45#	1.53	1.58	-0.03
1972-73 SE OF DP		1.62	1.75	1.85	1.63	0.96	0.93	0.48	1.95	3.14	3.46	4.37	1.68	1.39	1.00	3.28	2.38	3.65	3.78	2.72	2.04	1.42
AGE: 13																						
1972-73 P-VALUE	8.51	8.91	7.66	9.41	8.03	8.18	8.85	7.73	12.59	9.94	10.01	9.94	7.62	6.36	14.36	8.30	10.78	8.30	9.22	9.78	6.34	8.44
1972-73 SE OF P-VAL	0.76	0.88	1.52	1.89	1.45	0.89	1.11	0.85	2.30	1.57	2.96	2.63	1.21	0.89	1.93	2.25	2.65	1.67	2.47	1.88	1.44	1.38
1972-73 DELTA-P		0.40	-0.85	0.90	-0.48	-0.33	0.34	-0.78	4.08	1.43	1.50	1.43	-0.89	-2.15#	5.85#	-0.21	2.27	-0.21	0.71	1.27	-2.17	-0.07
1972-73 SE OF DP		0.99	1.31	1.50	1.27	0.65	0.67	0.40	2.10	1.57	2.74	2.38	0.92	0.64	1.77	2.00	2.59	1.69	2.36	1.62	1.36	0.97
AGE: 17																						
1972-73 P-VALUE	3.76	2.36	4.07	4.30	4.46	3.48	4.04	3.03	8.44	5.16	5.24	4.86	5.13	2.22	5.51	2.92	8.02	2.20	5.09	3.24	4.17	3.12
1972-73 SE OF P-VAL	0.53	0.69	1.00	1.03	1.40	0.66	0.73	0.51	1.63	2.31	1.73	1.59	0.86	0.65	2.15	1.65	1.60	0.92	1.22	1.20	1.62	0.84
1972-73 DELTA-P		-1.40*	0.31	0.54	0.70	-0.28	0.28	-0.73#	4.68#	1.40	1.48	1.10	1.37*	-1.54#	1.75	-0.84	4.26#	-1.56	1.33	-0.52	0.41	-0.64
1972-73 SE OF DP		0.60	0.94	0.84	1.16	0.45	0.46	0.23	1.45	2.29	1.54	1.50	0.65	0.46	2.09	1.59	1.53	0.90	1.26	1.08	1.38	0.70

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101055-12

72-73 Report #: UP119

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

		9	13
Age:			
72-73 Package-Exercise:		03-22	03-19
72-73 National P-val:			
UP119		51.33	72.65
Timing: (in seconds)			
	Stimulus:	15	14
	Response:	16	16
	I don't know:	5	5
	Pause:	6	6
UP119	Exercise total:	42	41

EXERCISE: 101055-12 UP119

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.22	0.65	0.08	0.00	0.18	0.33	0.10	0.19	0.13	0.77	0.00	0.00	0.45	0.00	0.32	0.00	0.36	0.00	0.00	0.24	1.27	0.05
1972-73 SE OF P-VAL	0.11	0.45	0.08	0.00	0.18	0.20	0.10	0.13	0.13	0.80	0.00	0.00	0.45	0.00	0.17	0.00	0.33	0.00	0.00	0.23	0.89	0.05
1972-73 DELTA-P		0.43	-0.14	-0.22*	-0.04	0.11	-0.12	-0.03	-0.09	0.55	-0.22*	-0.22*	0.23	-0.22*	0.10	-0.22*	0.14	-0.22*	-0.22*	0.02	1.05	-0.17
1972-73 SE OF DP		0.35	0.13	0.11	0.17	0.11	0.12	0.06	0.16	0.76	0.11	0.11	0.36	0.11	0.18	0.11	0.32	0.11	0.11	0.22	0.80	0.12
AGE: 13																						
1972-73 P-VALUE	0.90	0.59	0.24	2.31	0.25	1.25	0.58	1.09	0.16	0.00	0.00	1.86	0.09	1.15	1.03	7.61	0.00	0.50	0.76	0.53	0.00	0.15
1972-73 SE OF P-VAL	0.64	0.35	0.17	2.26	0.25	0.87	0.45	0.79	0.16	0.00	0.00	1.50	0.29	0.99	0.61	7.30	0.00	0.49	0.69	0.51	0.00	0.10
1972-73 DELTA-P		-0.31	-0.66	1.41	-0.65	0.35	-0.32	0.19	-0.74	-0.90	-0.90	0.96	-0.81	0.25	0.13	6.71	-0.90	-0.40	-0.14	-0.37	-0.90	-0.75
1972-73 SE OF DP		0.69	0.66	1.63	0.67	0.24	0.22	0.15	0.66	0.64	0.64	0.97	0.88	0.37	0.43	6.67	0.64	0.77	0.77	0.78	0.64	0.65
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	51.33	55.17	42.35	52.99	53.78	53.38	49.14	55.95	30.59	40.27	37.78	40.38	50.68	58.22	48.96	45.46	31.52	61.46	54.72	53.78	50.58	51.65
1972-73 SE OF P-VAL	1.57	3.71	2.86	2.66	3.20	2.26	1.76	1.59	2.25	5.76	5.19	6.10	2.72	2.47	2.37	6.29	3.97	3.56	4.91	4.38	4.62	2.66
1972-73 DELTA-P		3.84	-8.98#	1.66	2.45	2.05	-2.19	4.62#	-20.74#	-11.06*	-13.55#	-10.95	-0.65	6.89#	-2.37	-5.87	-19.81#	10.13#	3.39	2.45	-0.75	0.32
1972-73 SE OF DP		3.12	2.67	2.37	2.67	1.27	1.33	0.71	2.20	5.36	4.62	6.60	2.36	1.79	1.65	6.06	3.90	3.39	4.52	4.06	4.62	2.10
AGE: 13																						
1972-73 P-VALUE	72.65	71.08	71.64	71.87	75.84	71.93	73.31	75.66	56.12	68.18	69.26	69.17	73.54	75.37	65.79	68.10	56.47	80.63	66.68	75.95	75.94	74.11
1972-73 SE OF P-VAL	1.36	2.71	2.95	2.98	2.01	1.75	1.65	1.43	2.97	4.16	4.12	3.82	1.67	2.00	2.72	6.07	5.24	3.07	3.44	3.06	2.71	2.30
1972-73 DELTA-P		-1.57	-1.01	-0.78	3.19	-0.72	0.66	3.01#	-16.53#	-4.47	-3.39	-3.48	0.89	2.72*	-6.86#	-4.55	-16.18#	7.98#	-5.97	3.30	3.29	1.46
1972-73 SE OF DP		2.35	2.59	2.41	1.93	1.07	0.98	0.75	2.77	3.94	4.12	3.35	1.26	1.27	2.46	5.63	4.95	3.01	3.40	3.19	2.75	1.76
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	12.16	11.44	13.71	13.38	10.18	9.23	15.30	11.73	14.09	13.15	10.42	6.94	9.07	8.66	17.39	14.52	18.04	7.44	11.92	14.02	11.62	11.62
1972-73 SE OF P-VAL	0.80	2.19	1.46	1.35	1.24	1.18	1.17	0.86	1.56	2.79	3.91	2.25	1.20	1.13	1.54	3.52	2.70	1.27	2.67	2.87	1.12	1.22
1972-73 DELTA-P		-0.72	1.55	1.22	-1.98	-2.93#	3.14#	-0.43	1.93	0.99	-1.74	-5.22*	-3.09*	-3.50#	5.23#	2.36	5.88*	-4.72#	-0.24	1.86	-0.54	-0.54
1972-73 SE OF DP		1.79	1.35	1.19	1.15	0.85	0.88	0.33	1.35	2.64	3.69	2.10	1.30	0.94	1.10	3.35	2.67	1.31	2.39	2.18	1.26	1.00
AGE: 13																						
1972-73 P-VALUE	5.70	7.38	4.61	5.36	5.39	5.13	6.23	5.66	6.37	4.77	4.58	5.75	4.61	6.11	7.56	4.89	5.77	5.00	8.24	8.34	5.03	4.72
1972-73 SE OF P-VAL	0.61	1.36	1.21	1.15	1.13	0.74	0.82	0.63	1.41	1.29	1.66	1.74	0.83	0.93	1.61	1.50	1.67	1.63	1.92	1.99	1.34	0.89
1972-73 DELTA-P		1.68	-1.09	-0.34	-0.31	-0.57	0.53	-0.04	0.67	-0.93	-1.12	0.05	-1.09	0.41	1.86	-0.81	0.07	-0.70	2.54	2.64	-0.67	-0.98
1972-73 SE OF DP		1.14	1.09	0.98	0.99	0.51	0.46	0.20	1.19	1.19	1.70	1.75	0.63	0.62	1.34	1.60	1.58	1.48	1.80	1.83	1.27	0.88

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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NAEP #:          101058-23

72-73 Report #: UP120


72-73 Obj:       I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj:    A. Know facts and simple concepts.

Science Type:       Physical science


Exercise Type:          Multiple choice
Scoring Type:           Machine
Administration Mode:    Group

Age:                                      13       17IS
72-73 Package-Exercise:                  05-19    03-05

72-73 National P-val:
          UP120                          27.25    36.41

Timing: (in seconds)
                       Stimulus:          14       14
                       Response:          16       16
                    I don't know:          5        5
                          Pause:           6        6
   UP120         Exercise total:          41       41
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EXERCISE: 101058-23 UP120

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.04	0.07	0.00	0.08	0.00	0.08	0.00	0.02	0.20	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.14	0.21	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.03	0.07	0.00	0.08	0.00	0.06	0.00	0.02	0.20	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.13	0.21	0.00	0.00	0.00
1972-73 DELTA-P		0.03	-0.04	0.04	-0.04	0.04	-0.04	-0.02	0.16	-0.04	-0.04	-0.04	-0.04	-0.04	0.27	-0.04	-0.04	0.10	0.17	-0.04	-0.04	-0.04
1972-73 SE OF DP		0.06	0.03	0.06	0.03	0.03	0.03	0.03	0.18	0.03	0.03	0.03	0.03	0.03	0.19	0.03	0.03	0.12	0.19	0.03	0.03	0.03
AGE: 17																						
1972-73 P-VALUE	0.05	0.00	0.00	0.14	0.04	0.08	0.01	0.05	0.00	0.15	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.26	0.00	0.02
1972-73 SE OF P-VAL	0.05	0.00	0.00	0.15	0.04	0.09	0.02	0.05	0.00	0.15	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.25	0.00	0.03
1972-73 DELTA-P		-0.05	-0.05	0.09	-0.01	0.03	-0.04	0.00	-0.05	0.10	-0.05	-0.05	-0.05	-0.05	0.82	-0.05	-0.05	-0.05	-0.05	0.21	-0.05	-0.03
1972-73 SE OF DP		0.05	0.05	0.11	0.06	0.04	0.05	0.01	0.05	0.15	0.05	0.05	0.05	0.05	0.69	0.05	0.05	0.05	0.05	0.21	0.05	0.05
RESPONSE: 03* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	27.25	23.10	25.21	28.56	31.27	26.88	27.62	26.14	31.45	34.12	27.04	20.31	27.93	27.43	29.78	33.11	36.21	27.62	27.05	28.47	23.65	23.63
1972-73 SE OF P-VAL	1.56	2.49	2.46	3.63	3.00	1.95	1.82	1.72	3.71	4.56	4.85	2.90	1.97	2.12	3.33	10.31	4.49	3.51	2.71	3.30	2.63	2.63
1972-73 DELTA-P		-4.15	-2.04	1.31	4.02	-0.37	0.37	-1.11	4.20	6.87	-0.21	-6.94#	0.68	0.18	2.53	5.86	8.96*	0.37	-0.20	1.22	-3.60	-3.62
1972-73 SE OF DP		2.37	2.43	2.76	2.64	1.06	1.06	0.65	3.38	4.47	4.95	2.59	1.48	1.16	2.70	9.50	4.30	3.41	2.73	2.95	2.77	2.53
AGE: 17																						
1972-73 P-VALUE	36.41	37.48	34.89	36.07	37.06	42.71	30.06	37.26	30.09	37.20	33.39	31.21	33.94	39.29	39.56	35.51	40.27	38.21	30.09	34.72	37.19	37.57
1972-73 SE OF P-VAL	1.43	2.82	2.44	3.07	2.79	2.09	1.79	1.56	2.77	5.24	3.98	3.74	2.43	1.98	4.04	3.43	3.16	4.62	4.11	3.25	4.71	2.31
1972-73 DELTA-P		1.07	-1.52	-0.34	0.65	6.30#	-6.35#	0.85	-6.32*	0.79	-2.82	-5.20	-2.47	2.88*	3.15	-0.90	3.86	1.80	-6.32	-1.69	0.78	1.16
1972-73 SE OF DP		2.39	2.35	2.41	2.55	1.34	1.28	0.56	2.66	4.97	4.19	3.43	1.66	1.29	4.13	2.96	3.22	4.38	3.98	2.99	4.37	1.78
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	18.71	22.28	18.46	17.38	17.20	15.29	22.13	18.33	21.15	18.93	28.20	19.49	16.49	17.20	24.09	16.43	17.42	22.29	18.78	19.30	16.31	19.18
1972-73 SE OF P-VAL	1.09	2.47	1.96	1.91	2.28	1.31	1.42	1.20	2.88	4.33	4.15	3.34	1.52	1.40	3.33	4.70	3.05	3.30	2.36	3.28	2.56	1.63
1972-73 DELTA-P		3.57	-0.25	-1.33	-1.51	-3.42#	3.42#	-0.38	2.44	0.22	9.49*	0.78	-2.22	-1.51	5.38	-2.28	-1.29	3.58	0.07	0.59	-2.40	0.47
1972-73 SE OF DP		2.11	1.84	1.61	1.95	0.82	0.86	0.49	2.76	4.06	4.05	3.22	1.18	0.99	2.90	4.18	2.99	3.18	2.36	2.92	2.52	1.43
AGE: 17																						
1972-73 P-VALUE	16.10	16.97	13.26	17.35	16.08	13.21	19.01	17.11	10.00	14.29	20.42	10.53	19.26	14.66	14.82	12.95	10.57	17.59	16.48	16.74	17.97	16.64
1972-73 SE OF P-VAL	1.14	2.35	2.03	2.34	2.06	1.17	1.78	1.30	1.88	3.10	3.98	2.27	2.22	1.37	3.88	1.91	2.24	2.67	4.68	2.05	2.86	2.44
1972-73 DELTA-P		0.87	-2.84	1.25	-0.02	-2.89#	2.91#	1.01*	-6.10#	-1.81	4.32	-5.57#	3.16*	-1.44	-1.28	-3.15	-5.53*	1.48	0.36	0.64	1.87	0.54
1972-73 SE OF DP		1.95	1.91	1.87	1.93	0.94	0.99	0.41	1.97	3.05	3.96	2.00	1.58	1.06	3.82	1.90	2.32	2.52	4.37	1.93	2.76	1.86

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101062-12

72-73 Report #: UP121

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	04-11	05-15
72-73 National P-val:		
UP121	51.93	78.79
Timing: (in seconds)		
Stimulus:	15	16
Response:	14	14
I don't know:	5	5
Pause:	6	6
UP121 Exercise total:	40	41

EXERCISE: 101062-12 UP121

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.17	0.25	0.47	0.00	0.00	0.26	0.08	0.16	0.31	0.00	0.00	0.00	0.15	0.16	0.23	0.54	0.00	0.00	0.00	0.41	0.09	0.17
1972-73 SE OF P-VAL	0.08	0.19	0.28	0.00	0.00	0.14	0.06	0.09	0.23	0.00	0.00	0.00	0.11	0.17	0.13	0.39	0.00	0.00	0.00	0.32	0.09	0.16
1972-73 DELTA-P		0.08	0.30	-0.17*	-0.17*	0.09	-0.09	-0.01	0.14	-0.17*	-0.17*	-0.17*	-0.02	-0.01	0.06	0.37	-0.17*	-0.17*	-0.17*	0.24	-0.08	0.00
1972-73 SE OF DP		0.16	0.22	0.08	0.08	0.08	0.08	0.04	0.21	0.08	0.08	0.08	0.12	0.13	0.10	0.37	0.08	0.08	0.08	0.28	0.11	0.12
AGE: 13																						
1972-73 P-VALUE	0.11	0.07	0.44	0.00	0.00	0.08	0.14	0.05	0.56	0.00	0.00	0.79	0.08	0.00	0.12	0.64	0.00	0.14	0.00	0.00	0.00	0.09
1972-73 SE OF P-VAL	0.08	0.07	0.33	0.00	0.00	0.06	0.14	0.04	0.56	0.00	0.00	0.76	0.09	0.00	0.12	0.61	0.00	0.13	0.00	0.00	0.00	0.09
1972-73 DELTA-P		-0.04	0.33	-0.11	-0.11	-0.03	0.03	-0.06	0.45	-0.11	-0.11	0.68	-0.03	-0.11	0.01	0.53	-0.11	0.03	-0.11	-0.11	-0.11	-0.02
1972-73 SE OF DP		0.09	0.26	0.08	0.08	0.08	0.08	0.07	0.49	0.08	0.08	0.70	0.09	0.08	0.13	0.54	0.08	0.14	0.08	0.08	0.08	0.10
RESPONSE: 04* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	51.93	52.02	49.13	57.32	47.95	55.49	48.55	56.39	34.10	35.65	36.90	55.20	50.11	62.58	45.60	46.62	32.52	58.13	42.15	54.66	59.50	54.08
1972-73 SE OF P-VAL	1.32	2.35	2.73	2.72	2.26	1.64	1.80	1.38	2.67	4.02	4.92	6.38	2.43	2.15	1.73	3.93	7.27	3.25	3.46	3.54	3.94	2.07
1972-73 DELTA-P		0.09	-2.80	5.39#	-3.98	3.56#	-3.38#	4.46#	-17.83#	-16.28#	-15.03#	3.27	-1.82	10.65#	-6.33#	-5.31	-19.41#	6.20	-9.78#	2.73	6.57	2.15
1972-73 SE OF DP		2.15	2.39	2.13	2.11	1.13	1.09	0.77	2.44	3.98	4.74	6.21	2.14	1.64	1.30	3.91	7.20	3.21	3.04	3.48	3.32	1.74
AGE: 13																						
1972-73 P-VALUE	78.79	80.61	74.85	80.45	78.48	82.10	75.48	84.67	53.17	49.69	63.29	73.65	78.11	86.44	66.77	80.24	54.99	88.19	71.95	78.36	84.19	81.41
1972-73 SE OF P-VAL	1.18	1.94	3.70	1.87	1.96	1.16	1.68	0.90	2.89	4.38	5.76	3.96	1.80	1.45	2.62	2.54	4.82	2.64	3.91	2.37	2.86	2.05
1972-73 DELTA-P		1.82	-3.94	1.66	-0.31	3.31#	-3.31#	5.88#	-25.62#	-29.10#	-15.50#	-5.14	-0.68	7.65#	-12.02#	1.45	-23.80#	9.40#	-6.84	-0.43	5.40*	2.62
1972-73 SE OF DP		1.83	3.06	1.65	1.82	0.85	0.86	0.78	2.59	4.34	5.30	3.84	1.49	1.26	2.48	2.40	4.77	2.65	3.70	2.37	2.50	1.59
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	10.47	8.93	11.53	9.28	12.46	8.06	12.76	9.55	12.78	17.09	11.77	5.78	6.83	6.79	15.93	10.91	14.51	8.87	14.82	9.26	9.58	9.66
1972-73 SE OF P-VAL	0.77	1.43	1.17	1.65	1.62	0.92	1.19	0.81	1.76	3.43	2.87	1.87	0.99	0.93	1.66	2.59	2.79	1.38	2.22	1.82	1.97	1.37
1972-73 DELTA-P		-1.54	1.06	-1.19	1.99	-2.41#	2.29#	-0.92*	2.31	6.62*	1.30	-4.69*	-3.64#	-3.68#	5.46#	0.44	4.04	-1.60	4.35*	-1.21	-0.89	-0.81
1972-73 SE OF DP		1.27	1.15	1.31	1.40	0.75	0.73	0.39	1.63	3.26	2.44	1.97	1.09	0.85	1.06	2.55	2.75	1.40	2.05	1.67	1.78	1.08
AGE: 13																						
1972-73 P-VALUE	7.08	7.52	8.43	5.79	7.06	5.12	9.04	5.33	14.92	15.26	11.53	10.83	7.16	4.03	11.95	4.81	15.18	5.37	11.08	5.77	3.87	6.97
1972-73 SE OF P-VAL	0.74	1.20	1.74	1.77	0.78	0.60	1.25	0.65	2.11	2.90	2.89	3.48	0.99	0.61	1.68	1.41	3.25	1.17	3.94	0.96	0.97	0.93
1972-73 DELTA-P		0.44	1.35	-1.29	-0.02	-1.96#	1.96#	-1.75#	7.84#	8.18#	4.45	3.75	0.08	-3.05#	4.87#	-2.27	8.10#	-1.71	4.00	-1.31	-3.21#	-0.11
1972-73 SE OF DP		1.15	1.51	1.33	0.92	0.66	0.64	0.33	1.75	2.78	2.77	3.03	0.68	0.67	1.51	1.36	3.02	1.18	3.47	1.17	1.05	0.86

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101063-3

72-73 Report #: UP122

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	06-27
72-73 National P-val:	
UP122	49.75

Timing: (in seconds)		
	Stimulus:	36
	Response:	17
	I don't know:	5
	Pause:	6
UP122	Exercise total:	64

EXERCISE: 101063-3   DP122

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.38	0.30	0.38	0.46	0.38	0.70	0.08	0.28	1.14	0.55	0.82	0.56	0.17	0.34	0.98	0.00	1.28	0.63	0.00	0.00	0.51	0.43
1972-73 SE OF P-VAL	0.14	0.21	0.39	0.29	0.22	0.28	0.08	0.14	0.62	0.56	0.82	0.56	0.12	0.21	0.58	0.00	0.82	0.47	0.00	0.00	0.51	0.29
1972-73 DELTA-P		-0.08	0.00	0.08	0.00	0.32*	-0.30*	-0.10	0.76	0.17	0.44	0.18	-0.21	-0.04	0.60	-0.38#	0.90	0.25	-0.38#	-0.38#	0.13	0.05
1972-73 SE OF DP		0.20	0.33	0.24	0.21	0.15	0.14	0.07	0.57	0.55	0.77	0.52	0.15	0.15	0.56	0.14	0.79	0.43	0.14	0.14	0.47	0.22
RESPONSE: 03* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	49.75	55.65	45.12	48.48	48.43	52.19	47.53	53.12	32.07	30.91	40.80	38.34	44.60	59.11	32.64	53.58	41.21	61.66	49.46	46.33	45.54	49.27
1972-73 SE OF P-VAL	1.61	4.18	2.41	2.25	3.10	1.97	2.40	1.75	3.93	4.06	3.49	3.01	2.90	1.87	4.83	4.00	2.75	5.23	6.47	3.51	3.98	2.22
1972-73 DELTA-P		5.90	-4.63	-1.27	-1.32	2.44	-2.22	3.37#	-17.68#	-18.84#	-8.95#	-11.41#	-5.15#	9.36#	-17.11#	3.83	-8.54#	11.91#	-0.29	-3.42	-4.21	-0.48
1972-73 SE OF DP		3.22	2.44	2.17	2.77	1.54	1.46	0.63	3.94	4.05	3.46	3.33	1.90	1.51	4.95	3.77	2.91	4.59	6.42	3.38	3.36	1.80
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	15.63	13.26	18.07	17.24	14.30	13.49	17.57	14.49	19.69	25.46	21.82	20.64	17.45	10.82	28.64	10.54	19.66	8.78	19.00	20.25	18.15	14.79
1972-73 SE OF P-VAL	0.98	1.68	2.68	1.74	1.78	1.28	1.35	0.92	3.25	4.76	3.13	2.60	1.85	1.10	6.44	2.72	3.44	1.27	6.18	1.90	2.31	1.75
1972-73 DELTA-P		-2.37	2.44	1.61	-1.33	-2.14*	1.94*	-1.14*	4.06	9.83*	6.19*	5.01*	1.82	-4.81#	13.01*	-5.09	4.03	-6.85#	3.37	4.62#	2.52	-0.84
1972-73 SE OF DP		1.50	2.26	1.49	1.63	0.90	0.83	0.50	2.83	4.46	3.07	2.45	1.38	1.03	6.06	2.74	3.19	1.50	5.74	1.80	2.29	1.52

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101065-1

72-73 Report #: UP123
69-70 Report #: U640

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	05-09
69-70 Package-Exercise:	01-03

72-73 National P-val:
UP123 47.04
69-70 National P-value:
UP123 53.68

Timing: (in seconds)
Stimulus: 13
Response: 36
I don't know: 5
Pause: 6
UP123 Exercise total: 60

EXERCISE: 101065-1   UP123

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00   AGE: 9   TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.73	1.01	1.72	0.25	0.00	0.89	0.57	0.63	1.41	0.36	1.71	0.37	1.33	0.43	0.60	0.00	0.00	0.31	1.39	0.32	2.02	0.68
1969-70 P-VALUE	0.37	0.17	1.16	0.00	0.41	0.35	0.40	0.02	2.61	0.87	0.71	0.32	0.29	0.14	0.64	1.14	0.98	0.00	0.67	0.00	0.00	0.37
CHANGE P-VALUE	0.36	0.84	0.56	0.25	-0.41	0.54	0.17	0.61*	-1.20	-0.51	1.00	0.05	1.04	0.29	-0.04	-1.14	-0.98	0.31	0.72	0.32	2.02	0.31
1972-73 SE OF P-VAL	0.25	0.41	0.94	0.19	0.00	0.50	0.21	0.29	0.66	0.38	1.02	0.38	0.65	0.31	0.22	0.00	0.00	0.30	0.68	0.33	1.63	0.41
1969-70 SE OF P-VAL	0.13	0.13	0.57	0.00	0.28	0.16	0.22	0.02	1.13	0.49	0.72	0.32	0.16	0.14	0.37	1.17	0.77	0.00	0.28	0.00	0.00	0.20
SE OF CHANGE P-VALUE	0.28	0.43	1.10	0.19	0.28	0.52	0.30	0.29	1.31	0.62	1.25	0.50	0.67	0.34	0.43	1.17	0.77	0.30	0.74	0.33	1.63	0.46
1972-73 DELTA-P		0.28	0.99	-0.48	-0.73#	0.16	-0.16	-0.10	0.68	-0.37	0.98	-0.36	0.60	-0.30*	-0.13	-0.73#	-0.73#	-0.42	0.66	-0.41	1.29	-0.05
1969-70 DELTA-P		-0.20	0.79	-0.37#	0.04	-0.02	0.03	-0.35#	2.24*	0.50	0.34	-0.05	-0.08	-0.23	0.27	0.77	0.61	-0.37#	0.30	-0.37#	-0.37#	0.00
CHANGE DELTA-P		0.48	0.20	-0.11	-0.77*	0.18	-0.19	0.25	-1.56	-0.87	0.64	-0.31	0.68	-0.07	-0.40	-1.50	-1.34	-0.05	0.36	-0.04	1.66	-0.05
1972-73 SE OF DP		0.39	0.73	0.28	0.25	0.29	0.29	0.13	0.59	0.40	0.99	0.42	0.46	0.15	0.24	0.25	0.25	0.37	0.63	0.39	1.46	0.36
1969-70 SE OF DP		0.16	0.47	0.13	0.24	0.13	0.15	0.13	1.01	0.50	0.69	0.33	0.18	0.16	0.27	1.09	0.72	0.13	0.28	0.13	0.13	0.18
SE OF CHANGE DELTA-P		0.42	0.87	0.31	0.35	0.32	0.33	0.18	1.17	0.64	1.21	0.53	0.49	0.22	0.36	1.12	0.76	0.39	0.69	0.41	1.47	0.40

RESPONSE: 05*   AGE: 9   TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	47.04	49.43	41.86	46.03	50.79	49.69	44.40	48.27	40.11	48.68	43.47	44.79	49.07	53.32	41.41	48.72	40.85	59.09	46.73	46.90	46.02	44.00
1969-70 P-VALUE	53.68	55.53	46.91	49.85	60.91	59.42	47.21	57.03	37.26	41.30	40.28	42.76	50.83	63.38	49.69	38.19	42.30	61.84	40.38	58.89	57.11	58.55
CHANGE P-VALUE	-6.64*	-6.10	-5.05	-3.82	-10.12	-9.73#	-2.81	-8.76#	2.85	7.38	3.19	2.03	-1.76	-10.06#	-8.28*	10.53	-1.45	-2.75	6.35	-11.99	-11.09	-14.55#
1972-73 SE OF P-VAL	1.64	2.72	3.46	3.11	3.78	1.91	2.16	2.00	2.98	5.47	5.29	5.07	3.04	2.52	2.31	5.41	3.68	4.97	4.50	5.81	4.29	2.52
1969-70 SE OF P-VAL	2.09	3.34	4.57	3.82	4.77	2.03	2.73	2.41	3.12	4.29	5.79	5.96	3.16	2.85	2.87	5.91	3.74	4.25	3.44	5.00	6.23	3.96
SE OF CHANGE P-VALUE	2.66	4.31	5.73	4.93	6.09	2.79	3.48	3.13	4.31	6.95	7.84	7.82	4.38	3.80	3.68	8.01	5.25	6.54	5.66	7.67	7.56	4.69
1972-73 DELTA-P		2.39	-5.18	-1.01	3.75	2.65*	-2.64*	1.23	-6.93*	1.64	-3.57	-2.25	2.03	6.28#	-5.63#	1.68	-6.19	12.05#	-0.31	-0.14	-1.02	-3.04
1969-70 DELTA-P		1.85	-6.77	-3.83	7.23	5.74#	-6.47#	3.35#	-16.42#	-12.38#	-13.40*	-10.92*	-2.85	9.70#	-3.99	-15.49#	-11.38#	8.16	-13.30#	5.21	3.43	4.87
CHANGE DELTA-P		0.54	1.59	2.82	-3.48	-3.09	3.83*	-2.12	9.49*	14.02*	9.83	8.67	4.88	-3.42	-1.64	17.17*	5.19	3.89	12.99#	-5.35	-4.45	-7.91*
1972-73 SE OF DP		2.53	3.02	2.71	3.12	1.23	1.21	0.83	2.98	5.32	5.00	5.02	2.37	1.94	1.70	5.02	3.76	4.60	4.36	5.50	3.94	2.02
1969-70 SE OF DP		3.09	4.23	3.33	3.82	1.07	1.24	0.73	3.63	4.15	5.57	5.44	2.42	1.75	2.28	5.74	4.06	4.24	3.61	4.73	5.72	2.86
SE OF CHANGE DELTA-P		3.99	5.20	4.29	4.93	1.63	1.73	1.11	4.70	6.75	7.48	7.40	3.39	2.61	2.84	7.63	5.53	6.26	5.66	7.25	6.95	3.50

RESPONSE: 09   AGE: 9   TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	19.89	17.27	22.04	22.29	17.90	16.26	23.51	20.90	18.52	12.24	17.61	20.76	16.79	14.61	26.10	19.74	20.95	17.84	13.87	21.87	17.89	22.94
1969-70 P-VALUE	25.03	21.57	24.28	29.19	24.61	20.50	30.14	23.32	29.15	37.75	26.85	32.34	25.17	16.88	32.03	34.39	29.72	19.21	31.36	21.53	28.54	21.60
CHANGE P-VALUE	-5.14#	-4.30	-2.24	-6.90	-6.71	-4.24	-6.63*	-2.42	-10.63*	-25.51#	-9.24	-11.58	-8.38#	-2.27	-5.93	-14.65*	-8.77	-1.37	-17.49#	0.34	-10.65*	1.34
1972-73 SE OF P-VAL	1.09	2.20	1.16	2.33	2.55	1.44	1.51	1.28	2.89	2.11	4.27	4.38	1.91	1.63	2.13	4.47	4.58	3.17	2.27	5.20	2.06	1.33
1969-70 SE OF P-VAL	1.74	2.37	4.14	3.72	3.86	1.83	2.39	1.92	3.54	4.73	5.63	5.82	2.26	1.82	2.63	4.97	4.31	3.29	5.92	4.31	4.48	3.02
SE OF CHANGE P-VALUE	2.05	3.23	4.30	4.39	4.63	2.33	2.83	2.31	4.57	5.18	7.07	7.28	2.96	2.44	3.38	6.68	6.29	4.57	6.34	6.75	4.93	3.30
1972-73 DELTA-P		-2.62	2.15	2.40	-1.99	-3.63#	3.62#	1.01	-1.37	-7.65#	-2.28	0.87	-3.10	-5.28#	6.21#	-0.15	1.06	-2.05	-6.02#	1.98	-2.00	3.05*
1969-70 DELTA-P		-3.46	-0.75	4.16	-0.42	-4.53#	5.11#	-1.71#	4.12	12.72#	1.82	7.31	0.14	-8.15#	7.00#	9.36	4.69	-5.82	6.33	-3.50	3.51	-3.43
CHANGE DELTA-P		0.84	2.90	-1.76	-1.57	0.90	-1.49	2.72#	-5.49	-20.37#	-4.10	-6.44	-3.24	2.87	-0.79	-9.51	-3.63	3.77	-12.35*	5.48	-5.51	6.48*
1972-73 SE OF DP		1.94	1.37	1.93	2.08	1.01	0.98	0.62	2.83	1.90	4.02	4.51	1.78	1.44	1.53	4.17	4.39	3.11	2.29	4.73	2.61	1.25
1969-70 SE OF DP		2.38	3.70	3.07	3.18	1.13	1.30	0.67	3.50	4.57	4.98	5.44	1.49	1.40	1.83	4.91	4.10	3.35	5.17	3.87	3.89	2.52
SE OF CHANGE DELTA-P		3.07	3.95	3.63	3.80	1.52	1.63	0.91	4.50	4.95	6.40	7.07	2.32	2.01	2.39	6.44	6.01	4.57	5.65	6.11	4.68	2.81

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101066-1

72-73 Report #: UB124
69-70 Report #: U621

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 04-31
69-70 Package-Exercise: 01-11

72-73 National P-val:
UB124 78.35
69-70 National P-value:
UB124 76.69

Timing: (in seconds)
Stimulus: 9
Response: 40
I don't know: 5
Pause: 6
UB124 Exercise total: 60

EXERCISE: 101066-1 UB124

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.55	0.96	0.92	0.00	0.44	0.64	0.46	0.50	1.04	0.00	0.00	0.68	0.77	0.46	0.56	0.61	0.38	0.56	0.40	0.50	0.35	0.73
1969-70 P-VALUE	0.28	0.17	0.57	0.28	0.18	0.33	0.22	0.14	1.38	0.18	0.72	0.19	0.27	0.25	0.27	0.63	0.21	0.00	0.45	0.00	0.19	0.39
CHANGE P-VALUE	0.27	0.79	0.35	-0.28	0.26	0.31	0.24	0.36	-0.34	-0.18	-0.72	0.49	0.50	0.21	0.29	-0.02	0.17	0.56	-0.05	0.50	0.16	0.34
1972-73 SE OF P-VAL	0.16	0.42	0.41	0.00	0.29	0.21	0.21	0.18	0.39	0.00	0.00	0.68	0.43	0.23	0.27	0.62	0.38	0.40	0.42	0.39	0.27	0.34
1969-70 SE OF P-VAL	0.09	0.13	0.25	0.18	0.18	0.13	0.10	0.07	0.60	0.19	0.72	0.19	0.11	0.16	0.17	0.20	0.22	0.00	0.32	0.00	0.19	0.21
SE OF CHANGE P-VALUE	0.18	0.44	0.48	0.18	0.34	0.25	0.23	0.19	0.72	0.19	0.72	0.71	0.44	0.28	0.32	0.65	0.44	0.40	0.53	0.39	0.33	0.40
1972-73 DELTA-P		0.41	0.37	-0.55#	-0.11	0.09	-0.09	-0.05	0.49	-0.55#	-0.55#	0.13	0.22	-0.09	0.01	0.06	-0.17	0.01	-0.15	-0.05	-0.20	0.18
1969-70 DELTA-P		-0.11	0.29	0.00	-0.10	0.05	-0.06	-0.14*	1.10*	-0.10	0.44	-0.09	-0.01	-0.03	-0.01	0.35	-0.07	-0.28#	0.17	-0.28#	-0.09	0.11
CHANGE DELTA-P		0.52	0.08	-0.55#	-0.01	0.04	-0.03	0.09	-0.61	-0.45	-0.99	0.22	0.23	-0.06	0.02	-0.29	-0.10	0.29	-0.32	0.23	-0.11	0.07
1972-73 SE OF DP		0.34	0.33	0.16	0.26	0.14	0.14	0.06	0.35	0.16	0.16	0.71	0.36	0.21	0.19	0.62	0.40	0.36	0.37	0.36	0.27	0.27
1969-70 SE OF DP		0.13	0.22	0.15	0.15	0.07	0.08	0.07	0.54	0.20	0.69	0.20	0.12	0.13	0.14	0.21	0.22	0.09	0.28	0.09	0.18	0.15
SE OF CHANGE DELTA-P		0.36	0.40	0.22	0.30	0.16	0.16	0.09	0.64	0.26	0.71	0.74	0.38	0.25	0.24	0.65	0.46	0.37	0.46	0.37	0.32	0.31
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	78.35	75.23	79.78	78.78	79.54	75.98	80.60	77.98	79.70	80.05	79.75	81.10	78.50	77.74	78.25	79.55	73.21	77.99	76.16	76.13	81.93	79.23
1969-70 P-VALUE	76.69	79.81	80.30	73.34	74.48	73.82	79.92	76.90	76.74	74.30	84.20	76.60	79.06	80.50	69.51	70.92	77.85	75.54	73.95	74.58	77.61	79.86
CHANGE P-VALUE	1.66	-4.58	-0.52	5.44	5.06	2.16	0.68	1.08	2.96	5.75	-4.45	4.50	-0.56	-2.76	8.74#	8.63	-4.64	2.45	2.21	1.55	4.32	-0.63
1972-73 SE OF P-VAL	0.98	2.32	1.67	1.53	2.36	1.33	1.40	1.15	1.96	3.28	3.69	4.66	2.03	1.88	1.55	1.66	2.83	4.19	2.70	2.58	2.52	1.57
1969-70 SE OF P-VAL	1.24	1.99	2.49	2.54	2.68	1.62	1.55	1.33	3.20	4.44	3.74	3.00	2.02	1.80	2.03	5.74	3.69	3.40	4.97	2.95	1.31	1.99
SE OF CHANGE P-VALUE	1.58	3.06	3.00	2.97	3.57	2.10	2.09	1.76	3.75	5.52	5.25	5.54	2.86	2.60	2.55	5.98	4.65	5.40	5.66	3.92	2.84	2.53
1972-73 DELTA-P		-3.12	1.43	0.43	1.19	-2.37*	2.25*	-0.37	1.35	1.70	1.40	2.75	0.15	-0.61	-0.10	1.20	-5.14	-0.36	-2.19	-2.22	3.58	0.88
1969-70 DELTA-P		3.12	3.61	-3.35	-2.21	-2.87#	3.23#	0.21	0.05	-2.39	7.51*	-0.09	2.37	3.81#	-7.18#	-5.77	1.16	-1.15	-2.74	-2.11	0.92	3.17
CHANGE DELTA-P		-6.24*	-2.18	3.78	3.40	0.50	-0.98	-0.58	1.30	4.09	-6.11	2.84	-2.22	-4.42*	7.08#	6.97	-6.30	0.79	0.55	-0.11	2.66	-2.29
1972-73 SE OF DP		1.95	1.56	1.39	1.99	0.97	0.92	0.42	1.86	3.26	3.56	4.56	1.78	1.50	1.29	1.88	2.90	3.83	2.65	2.87	2.15	1.20
1969-70 SE OF DP		1.85	2.27	2.10	2.23	0.94	1.08	0.52	2.90	4.32	3.89	2.96	1.71	1.38	1.54	5.49	3.43	3.33	4.37	2.91	1.61	1.67
SE OF CHANGE DELTA-P		2.69	2.75	2.52	2.99	1.35	1.42	0.67	3.45	5.41	4.99	5.44	2.47	2.04	2.01	5.79	4.49	5.08	5.11	3.82	2.69	2.06
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.82	2.96	1.38	0.88	2.27	1.33	2.29	1.96	1.40	0.92	1.16	1.11	0.92	1.59	2.57	0.38	1.59	2.05	2.07	2.07	1.00	2.34
1969-70 P-VALUE	2.41	1.78	1.63	2.52	3.51	2.64	2.15	2.50	1.71	2.47	1.30	1.95	1.33	0.97	5.11	2.31	2.39	1.81	4.24	2.33	2.81	1.81
CHANGE P-VALUE	-0.59	1.18	-0.25	-1.64	-1.24	-1.31*	0.14	-0.54	-0.31	-1.55	-0.14	-0.84	-0.41	0.62	-2.44*	-1.93	-0.80	0.24	-2.17	-0.26	-1.81	0.53
1972-73 SE OF P-VAL	0.26	0.62	0.52	0.30	0.58	0.35	0.42	0.30	0.55	0.61	0.77	0.80	0.37	0.39	0.56	0.40	0.79	0.96	0.85	0.77	0.65	0.51
1969-70 SE OF P-VAL	0.37	0.55	0.62	0.83	0.79	0.54	0.56	0.42	0.80	1.09	0.76	1.17	0.52	0.41	0.95	1.15	1.03	0.85	1.43	0.98	1.11	0.58
SE OF CHANGE P-VALUE	0.45	0.83	0.81	0.88	0.98	0.64	0.70	0.52	0.97	1.25	1.08	1.42	0.64	0.57	1.10	1.22	1.30	1.28	1.66	1.25	1.29	0.77
1972-73 DELTA-P		1.14*	-0.44	-0.94#	0.45	-0.49	0.47	0.14	-0.42	-0.90	-0.66	-0.71	-0.90*	-0.23	0.85*	-1.44#	-0.23	0.23	0.25	0.25	-0.82	0.52
1969-70 DELTA-P		-0.63	-0.78	0.11	1.10	0.23	-0.26	0.09	-0.70	0.06	-1.11	-0.46	-1.08*	-1.44#	2.70#	-0.10	-0.02	-0.60	1.83	-0.08	0.40	-0.60
CHANGE DELTA-P		1.77*	0.34	-1.05	-0.65	-0.72	0.73	0.05	0.28	-0.96	0.45	-0.25	0.18	1.21*	-1.85*	-1.34	-0.21	0.83	-1.58	0.33	-1.22	1.12
1972-73 SE OF DP		0.52	0.46	0.31	0.49	0.30	0.29	0.11	0.52	0.65	0.75	0.78	0.37	0.38	0.40	0.45	0.80	0.94	0.80	0.72	0.61	0.40
1969-70 SE OF DP		0.52	0.61	0.66	0.66	0.39	0.44	0.14	0.80	1.06	0.81	1.22	0.53	0.37	0.70	1.12	1.05	0.79	1.30	0.90	1.06	0.51
SE OF CHANGE DELTA-P		0.74	0.76	0.73	0.82	0.49	0.53	0.18	0.95	1.24	1.10	1.45	0.65	0.53	0.81	1.21	1.32	1.23	1.53	1.15	1.22	0.65

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101075-1

72-73 Report #: UB125
69-70 Report #: U627

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	07-11
69-70 Package-Exercise:	03-13

72-73 National P-val:
UB125 69.21
69-70 National P-value:
UB125 71.09

Timing: (in seconds)

	Stimulus:	11
	Response:	38
	I don't know:	5
	Pause:	6
UB125	Exercise total:	60

447

EXERCISE: 101075-1 0B125

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.15	0.30	0.00	0.19	0.08	0.14	0.16	0.09	0.45	0.29	0.00	0.54	0.00	0.16	0.19	0.27	0.42	0.00	0.40	0.00	0.26	0.05
1969-70 P-VALUE	0.25	0.43	0.10	0.35	0.00	0.31	0.18	0.23	0.42	0.19	0.00	0.00	0.00	0.32	0.45	0.26	0.16	0.00	0.00	0.74	0.00	0.33
CHANGE P-VALUE	-0.10	-0.13	-0.10	-0.16	0.08	-0.17	-0.02	-0.14	0.03	0.10	0.00	0.54	0.00	-0.16	-0.26	0.01	0.26	0.00	0.40	-0.74	0.26	-0.28
1972-73 SE OF P-VAL	0.07	0.23	0.00	[illegible]	[illegible]	0.11	0.10	0.07	0.30	0.30	0.00	0.55	0.00	0.12	0.14	0.27	0.37	0.00	0.41	0.00	0.26	0.06
1969-70 SE OF P-VAL	0.15	0.47	0.13	[illegible]	[illegible]	0.20	0.24	0.19	0.25	0.19	0.00	0.00	0.00	0.31	0.35	0.19	0.16	0.00	0.00	0.79	0.00	0.27
SE OF CHANGE P-VALUE	0.17	0.52	0.13	0.34	[illegible]	0.23	0.26	0.20	0.39	0.36	0.00	0.55	0.00	0.33	0.38	0.33	0.40	0.00	0.41	0.79	0.26	0.28
1972-73 DELTA-P		0.15	-0.15*	[illegible]	-0.07	-0.01	0.01	-0.06	0.30	0.14	-0.15*	0.39	-0.15*	0.01	0.04	0.12	0.27	-0.15*	0.25	-0.15*	0.11	-0.10
1969-70 DELTA-P		0.18	-0.07	0.10	-0.25	0.06	-0.07	-0.02	0.17	-0.06	-0.25	-0.25	-0.25	0.07	0.20	0.01	-0.09	-0.25	-0.25	0.49	-0.25	0.08
CHANGE DELTA-P		-0.03	-0.08	-0.06	0.18	-0.07	0.08	-0.04	0.13	0.20	0.10	0.64	0.10	-0.06	-0.16	0.11	0.36	0.10	0.50	-0.64	0.36	-0.18
1972-73 SE OF DP		0.17	0.07	0.12	0.10	0.07	0.07	0.05	0.27	0.29	0.07	0.53	0.07	0.11	0.10	0.26	0.35	0.07	0.36	0.07	0.24	0.08
1969-70 SE OF DP		0.37	0.18	0.24	0.15	0.15	0.15	0.05	0.27	0.24	0.15	0.15	0.15	0.25	0.25	0.22	0.21	0.15	0.15	0.68	0.15	0.21
SE OF CHANGE DELTA-P		0.41	0.19	0.27	0.18	0.17	0.17	0.07	0.38	0.38	0.17	0.55	0.17	0.27	0.27	0.34	0.41	0.17	0.39	0.68	0.28	0.22
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	69.21	74.91	61.42	68.70	71.56	67.11	71.32	71.26	57.56	68.63	62.76	64.71	70.51	74.49	65.57	62.24	61.35	76.55	70.49	69.78	69.04	69.18
1969-70 P-VALUE	71.09	77.73	65.47	68.61	71.71	70.19	72.02	74.35	55.37	60.95	59.45	62.45	69.44	77.51	69.58	55.02	58.77	81.27	67.13	79.37	70.22	74.16
CHANGE P-VALUE	-1.88	-2.82	-4.05	0.09	-0.15	-3.08	-0.70	-3.09	2.19	7.68	3.31	2.26	1.07	-3.02	-4.01	7.22	2.58	-4.72	3.36	-9.59*	-1.18	-4.98
1972-73 SE OF P-VAL	1.43	2.71	3.34	2.81	1.81	1.79	1.66	1.59	3.30	3.57	4.96	3.66	2.83	2.18	1.82	4.45	3.60	3.98	3.63	3.80	3.14	2.68
1969-70 SE OF P-VAL	1.53	1.83	2.26	3.90	2.40	1.94	1.71	1.82	2.86	3.47	5.26	4.88	2.86	2.03	1.90	10.18	4.09	4.42	2.56	2.64	2.72	2.32
SE OF CHANGE P-VALUE	2.09	3.27	4.03	4.81	3.01	2.64	2.38	2.42	4.37	4.98	7.23	6.10	4.02	2.98	2.63	11.11	5.45	5.95	4.44	4.63	4.15	3.54
1972-73 DELTA-P		5.70*	-7.79#	-0.51	2.35	-2.10*	2.11*	2.05#	-11.65#	-0.58	-6.45	-4.50	1.30	5.28#	-3.64#	-6.97	-7.86*	7.34*	1.28	0.57	-0.17	-0.03
1969-70 DELTA-P		6.64#	-5.62*	-2.48	0.62	-0.90	0.93	3.26#	-15.72#	-10.14#	-11.64*	-8.64	-1.65	6.42#	-1.51	-16.07	-12.32#	10.18*	-3.96	8.28#	-0.87	3.07
CHANGE DELTA-P		-0.94	-2.17	1.97	1.73	-1.20	1.18	-1.21	4.07	9.56	5.19	4.14	2.95	-1.14	-2.13	9.10	4.46	-2.84	5.24	-7.71	0.70	-3.10
1972-73 SE OF DP		2.37	2.75	2.33	1.96	0.98	0.97	0.52	3.16	3.73	4.47	3.82	2.33	1.70	1.29	4.28	3.67	3.66	3.27	3.34	3.01	2.25
1969-70 SE OF DP		1.93	2.32	2.84	2.27	1.00	1.03	0.70	2.99	3.39	4.70	4.67	2.00	1.44	1.67	9.17	4.16	4.27	2.86	2.90	2.70	2.18
SE OF CHANGE DELTA-P		3.06	3.60	3.67	3.00	1.40	1.41	0.87	4.35	5.04	6.49	6.03	3.07	2.23	2.11	10.12	5.55	5.62	4.34	4.42	4.04	3.13
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.07	1.76	4.99	4.76	4.91	4.04	4.10	3.82	5.41	4.28	2.83	5.20	3.57	1.95	6.02	2.20	6.35	1.65	4.97	4.13	4.19	4.60
1969-70 P-VALUE	3.59	2.94	6.10	2.01	4.28	2.70	4.51	3.56	4.09	3.00	3.29	2.66	3.59	2.61	4.64	2.51	4.12	2.70	4.02	1.59	4.12	4.38
CHANGE P-VALUE	0.48	-1.18	-1.11	2.75*	0.63	1.34	-0.41	0.26	1.32	1.28	-0.46	2.54	-0.02	-0.66	1.38	-0.31	2.23	-1.05	0.95	2.54	0.07	0.22
1972-73 SE OF P-VAL	0.54	0.94	1.30	1.01	0.91	0.69	0.67	0.55	1.73	1.93	1.22	2.13	1.21	0.60	0.99	0.87	2.13	0.98	2.25	1.13	1.27	1.09
1969-70 SE OF P-VAL	0.46	0.74	1.54	0.57	0.77	0.49	0.79	0.55	1.07	1.08	2.02	1.12	1.00	0.54	0.86	0.90	1.27	1.43	1.25	0.91	1.48	0.95
SE OF CHANGE P-VALUE	0.71	1.20	2.02	1.16	1.19	0.85	1.04	0.78	2.03	2.21	2.36	2.41	1.57	0.81	1.31	1.25	2.48	1.73	2.57	1.45	1.95	1.45
1972-73 DELTA-P		-2.31#	0.92	0.69	0.84	-0.03	0.03	-0.25	1.34	0.21	-1.24	1.13	-0.50	-2.12#	1.95#	-1.87	2.28	-2.42*	0.90	0.06	0.12	0.53
1969-70 DELTA-P		-0.65	2.51	-1.58#	0.69	-0.89	0.92	-0.03	0.50	-0.59	-0.30	-0.93	0.00	-0.98	1.05	-1.08	0.53	-0.89	0.43	-2.00*	0.53	0.79
CHANGE DELTA-P		-1.66	-1.59	2.27*	0.15	0.86	-0.89	-0.22	0.84	0.80	-0.94	2.06	-0.50	-1.14	0.90	-0.79	1.75	-1.53	0.47	2.06	-0.41	-0.26
1972-73 SE OF DP		0.84	1.07	0.85	0.87	0.41	0.42	0.30	1.52	1.87	1.28	2.06	1.10	0.58	0.65	0.95	2.11	1.01	1.94	1.09	1.22	0.92
1969-70 SE OF DP		0.69	1.26	0.57	0.70	0.46	0.48	0.19	1.08	1.08	2.05	1.14	0.75	0.56	0.65	0.91	1.23	1.38	1.21	0.92	1.33	0.76
SE OF CHANGE DELTA-P		1.09	1.65	1.02	1.12	0.62	0.64	0.36	1.86	2.16	2.42	2.35	1.33	0.81	0.92	1.32	2.44	1.71	2.29	1.43	1.80	1.19

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101080-1

72-73 Report #: UP126
69-70 Report #: U606

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 05-16
69-70 Package-Exercise: 04-06

72-73 National P-val:
UP126 90.62
69-70 National P-value:
UP126 92.16

Timing: (in seconds)
Stimulus: 10
Response: 40
I don't know: 5
Pause: 6
UP126 Exercise total: 61

EXERCISE: 101080-1   UP126

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.14	0.08	0.32	0.00	0.15	0.20	0.08	0.13	0.25	0.00	0.00	0.00	0.30	0.06	0.16	0.00	0.46	0.15	0.16	0.00	0.00	0.18
1969-70 P-VALUE	0.20	0.25	0.12	0.25	0.15	0.33	0.08	0.08	0.45	1.17	0.87	0.40	0.00	0.10	0.31	0.71	0.00	0.00	0.26	0.79	0.00	0.00
CHANGE P-VALUE	-0.06	-0.17	0.20	-0.25	0.00	-0.13	0.00	0.05	-0.20	-1.17	-0.87	-0.40	0.30	-0.04	-0.15	-0.71	0.46	0.15	-0.12	-0.79	0.00	0.18
1972-73 SE OF P-VAL	0.08	0.09	0.26	0.00	0.16	0.14	0.06	0.09	0.25	0.00	0.00	0.00	0.30	0.06	0.12	0.00	0.46	0.15	0.16	0.00	0.00	0.18
1969-70 SE OF P-VAL	0.09	0.25	0.11	0.18	0.14	0.17	0.07	0.08	0.32	0.79	0.86	0.41	0.00	0.10	0.22	0.49	0.00	0.00	0.27	0.57	0.00	0.00
SE OF CHANGE P-VALUE	0.12	0.27	0.28	0.18	0.21	0.22	0.09	0.12	0.41	0.79	0.86	0.41	0.30	0.12	0.25	0.49	0.46	0.15	0.31	0.57	0.00	0.18
1972-73 DELTA-P		-0.06	0.18	-0.14	0.01	0.06	-0.06	-0.01	0.11	-0.16	-0.14	-0.14	0.16	-0.08	0.02	-0.14	0.32	0.01	0.02	-0.16	-0.14	0.04
1969-70 DELTA-P		0.05	-0.08	0.05	-0.05	0.13	-0.12	-0.12	0.25	0.97	0.67	0.20	-0.20*	-0.10	0.11	0.51	-0.20*	-0.20*	0.08	0.59	-0.20*	-0.20*
CHANGE DELTA-P		-0.11	0.26	-0.19	0.06	-0.07	0.06	0.11	-0.14	-1.11	-0.81	-0.34	0.36	0.02	-0.09	-0.65	0.52	0.21	-0.06	-0.73	0.06	0.24
1972-73 SE OF DP		0.10	0.20	0.08	0.14	0.08	0.08	0.04	0.22	0.08	0.08	0.08	0.25	0.09	0.09	0.08	0.42	0.15	0.15	0.08	0.08	0.13
1969-70 SE OF DP		0.20	0.13	0.14	0.14	0.10	0.09	0.07	0.29	0.75	0.82	0.39	0.09	0.11	0.16	0.45	0.09	0.09	0.25	0.50	0.09	0.07
SE OF CHANGE DELTA-P		0.22	0.24	0.16	0.20	0.13	0.12	0.08	0.36	0.75	0.82	0.40	0.27	0.14	0.18	0.46	0.43	0.17	0.29	0.51	0.12	0.16
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	90.62	92.21	89.05	93.38	87.87	91.14	90.11	95.48	77.60	67.37	79.00	90.07	91.16	94.57	88.50	83.03	75.27	95.82	89.47	95.31	93.30	92.47
1969-70 P-VALUE	92.16	94.82	88.95	93.84	89.87	90.93	93.35	95.09	84.78	70.47	83.43	84.83	93.16	96.18	89.55	86.34	81.87	95.98	94.30	94.00	92.57	93.41
CHANGE P-VALUE	-1.54	-2.61	0.10	-0.46	-2.00	0.21	-3.24*	0.39	-7.18	-3.10	-4.43	5.24	-2.00	-1.61	-1.05	-3.31	-6.60	-0.16	-4.83	1.31	0.73	-0.94
1972-73 SE OF P-VAL	1.11	1.73	2.30	1.38	3.10	1.20	1.35	0.70	2.70	6.89	4.54	3.06	1.81	0.96	1.67	7.71	4.64	1.35	3.18	1.17	1.97	1.45
1969-70 SE OF P-VAL	0.78	1.08	2.40	1.01	1.78	1.30	0.79	0.78	2.46	3.14	3.93	5.89	1.16	0.66	1.27	3.95	2.57	1.71	1.84	1.80	2.51	1.30
SE OF CHANGE P-VALUE	1.36	2.04	3.32	1.71	3.57	1.77	1.56	1.05	3.65	7.57	6.00	6.64	2.15	1.16	2.10	8.66	5.30	2.18	3.67	2.15	3.19	1.95
1972-73 DELTA-P		1.59	-1.57	2.76	-2.75	0.52	-0.51	4.86#	-13.02#	-23.25#	-11.62#	-0.55	0.54	3.95#	-2.12*	-7.59	-15.35#	5.20#	-1.15	4.69#	2.68	1.85
1969-70 DELTA-P		2.66*	-3.21	1.68	-2.29	-1.23	1.19	2.93#	-7.38#	-21.69#	-8.73*	-7.33	1.00	4.02#	-2.61#	-5.82	-10.29#	3.82*	2.14	1.84	0.41	1.25
CHANGE DELTA-P		-1.07	1.64	1.08	-0.46	1.75	-1.70	1.93	-5.64	-1.56	-2.89	6.78	-0.46	-0.07	0.49	-1.77	-5.06	1.38	-3.29	2.85	2.27	0.60
1972-73 SE OF DP		1.66	1.99	1.45	2.86	0.62	0.62	0.85	2.51	6.20	4.00	2.94	1.53	1.04	0.85	7.02	4.31	1.63	3.03	1.42	2.05	1.34
1969-70 SE OF DP		1.07	2.06	0.99	1.47	0.75	0.74	0.54	2.23	3.07	3.70	5.52	1.14	0.73	0.89	3.78	2.54	1.75	1.82	1.76	2.23	1.08
SE OF CHANGE DELTA-P		1.97	2.86	1.76	2.87	0.97	0.97	1.01	3.36	6.92	5.45	6.25	1.91	1.27	1.23	7.97	5.00	2.39	3.53	2.26	3.03	1.72
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.99	1.19	0.85	0.44	1.49	0.93	1.05	0.32	1.78	6.25	2.27	0.00	0.41	0.34	1.80	2.76	2.30	0.75	1.76	0.34	0.79	0.27
1969-70 P-VALUE	1.60	0.80	1.53	1.79	2.23	1.61	1.60	0.76	3.65	7.99	1.97	2.55	1.51	0.37	2.80	1.85	6.29	0.00	0.91	0.63	1.51	1.47
CHANGE P-VALUE	-0.61	0.39	-0.68	-1.35*	-0.74	-0.68	-0.55	-0.44	-1.87	-1.74	0.30	-2.55*	-1.10	-0.03	-1.00	0.91	-3.99*	0.75	0.85	-0.29	-0.72	-1.20*
1972-73 SE OF P-VAL	0.22	0.51	0.37	0.23	0.58	0.23	0.37	0.12	0.69	2.15	1.16	0.00	0.24	0.24	0.56	1.51	0.97	0.52	0.96	0.32	0.57	0.16
1969-70 SE OF P-VAL	0.28	0.37	0.66	0.54	0.67	0.38	0.38	0.24	1.03	1.81	1.29	1.03	0.55	0.17	0.62	0.95	1.40	0.00	0.61	0.49	0.72	0.53
SE OF CHANGE P-VALUE	0.36	0.63	0.76	0.59	0.89	0.44	0.53	0.27	1.24	2.81	1.73	1.04	0.60	0.30	0.84	1.78	1.70	0.52	1.14	0.59	0.92	0.55
1972-73 DELTA-P		0.20	-0.14	-0.55*	0.50	-0.06	0.06	-0.67#	0.79	5.26#	1.28	-0.99#	-0.58*	-0.65*	0.81*	1.77	1.31	-0.24	0.77	-0.65	-0.20	-0.72#
1969-70 DELTA-P		-0.80*	-0.07	0.19	0.63	0.01	0.00	-0.84#	2.05*	6.39#	0.37	0.95	-0.09	-1.23#	1.20#	0.25	4.69#	-1.60#	-0.69	-0.97	-0.09	-0.13
CHANGE DELTA-P		1.00	-0.07	-0.74	-0.13	-0.07	0.06	0.17	-1.26	-1.13	0.91	-1.94	-0.49	0.58	-0.39	1.52	-3.38*	1.36*	1.46	0.32	-0.11	-0.59
1972-73 SE OF DP		0.43	0.35	0.27	0.46	0.22	0.22	0.20	0.67	2.01	1.12	0.22	0.27	0.32	0.39	1.39	0.96	0.51	0.88	0.36	0.54	0.24
1969-70 SE OF DP		0.38	0.59	0.44	0.56	0.26	0.26	0.21	0.93	1.72	1.25	0.96	0.49	0.26	0.44	0.90	1.34	0.28	0.63	0.50	0.66	0.41
SE OF CHANGE DELTA-P		0.57	0.69	0.52	0.72	0.34	0.34	0.29	1.15	2.65	1.68	0.98	0.56	0.41	0.59	1.66	1.65	0.58	1.08	0.62	0.85	0.48

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101082-12

72-73 Report #: UP127
69-70 Report #: U633, U709

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	07-34	06-08
69-70 Package-Exercise:	04-14	05-01
72-73 National P-val:		
UP127	58.04	77.85
69-70 National P-value:		
UP127	65.12	80.88

Timing: (in seconds)

	Stimulus:	9	8
	Response:	40	12
	I don't know:	5	5
	Pause:	7	5
UP127	Exercise total:	61	30

EXERCISE: 101082-12 UP127

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.61	0.11	0.28	1.71	0.13	0.68	0.56	0.13	3.49	0.46	0.00	0.90	0.59	0.51	0.73	0.00	7.01	0.23	0.00	0.00	0.53	0.09
1969-70 P-VALUE	0.16	0.00	0.11	0.12	0.41	0.25	0.07	0.00	0.16	2.24	0.00	0.40	0.00	0.10	0.32	0.27	1.23	0.00	0.28	0.00	0.00	0.00
CHANGE P-VALUE	0.45	0.11	0.17	1.59	-0.28	0.43	0.47	0.13	3.33	-1.78	0.00	0.50	0.59	0.41	0.41	-0.27	5.78	0.23	-0.28	0.00	0.53	0.09
1972-73 SE OF P-VAL	0.46	0.11	0.28	1.61	0.13	0.55	0.39	0.10	2.81	0.48	0.00	0.91	0.55	0.49	0.44	0.00	6.63	0.23	0.00	0.00	0.53	0.09
1969-70 SE OF P-VAL	0.11	0.00	0.11	0.12	0.41	0.21	0.07	0.00	0.16	1.75	0.00	0.41	0.00	0.10	0.24	0.27	1.20	0.00	0.27	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.47	0.11	0.30	1.61	0.43	0.59	0.40	0.10	2.81	1.81	0.00	1.00	0.55	0.50	0.50	0.27	6.74	0.23	0.27	0.00	0.53	0.09
1972-73 DELTA-P		-0.50	-0.33	1.10	-0.48	0.07	-0.07	-0.48	2.88	-0.15	-0.61	0.29	-0.02	-0.10	0.12	-0.61	6.40	-0.38	-0.61	-0.61	-0.08	-0.52
1969-70 DELTA-P		-0.16	-0.05	-0.04	0.25	0.09	-0.09	-0.16	0.00	2.08	-0.16	0.24	-0.16	-0.06	0.16	0.11	1.07	-0.16	0.12	-0.16	-0.16	-0.16
CHANGE DELTA-P		-0.34	-0.28	1.14	-0.73	-0.02	0.02	-0.32	2.88	-2.23	-0.45	0.05	0.14	-0.04	-0.04	-0.72	5.33	-0.22	-0.73	-0.45	0.08	-0.36
1972-73 SE OF DP		0.47	0.51	1.16	0.47	0.11	0.11	0.37	2.36	0.65	0.46	0.47	0.13	0.09	0.15	0.46	6.18	0.50	0.46	0.46	0.65	0.47
1969-70 SE OF DP		0.11	0.14	0.13	0.31	0.11	0.11	0.11	0.17	1.64	0.11	0.40	0.11	0.04	0.13	0.27	1.10	0.11	0.26	0.11	0.11	0.11
SE OF CHANGE DELTA-P		0.48	0.53	1.17	0.56	0.16	0.16	0.39	2.37	1.76	0.47	0.62	0.17	0.10	0.20	0.53	6.28	0.51	0.53	0.47	0.66	0.48

AGE: 13

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.13	0.15	0.23	0.00	0.17	0.28	0.00	0.06	0.59	0.19	0.58	0.40	0.00	0.10	0.16	0.19	0.58	0.00	0.44	0.00	0.00	0.10
1969-70 P-VALUE	0.06	0.00	0.21	0.00	0.09	0.13	0.00	0.02	0.30	0.00	0.00	0.00	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.05
CHANGE P-VALUE	0.07	0.15	0.02	0.00	0.08	0.15	0.00	0.04	0.29	0.19	0.58	0.40	-0.13	0.06	0.16	0.19	0.58	0.00	0.44	-0.36	0.00	0.05
1972-73 SE OF P-VAL	0.07	0.15	0.18	0.00	0.18	0.15	0.00	0.06	0.37	0.20	0.58	0.29	0.00	0.11	0.16	0.19	0.59	0.00	0.42	0.00	0.00	0.10
1969-70 SE OF P-VAL	0.04	0.00	0.21	0.00	0.09	0.10	0.00	0.03	0.30	0.00	0.00	0.00	0.13	0.05	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.06
SE OF CHANGE P-VALUE	0.08	0.15	0.28	0.00	0.20	0.18	0.00	0.07	0.48	0.20	0.58	0.29	0.13	0.12	0.16	0.19	0.59	0.00	0.42	0.38	0.00	0.12
1972-73 DELTA-P		0.02	0.10	-0.13	0.04	0.15	-0.13	-0.07	0.46	0.06	0.4[illegible]	0.27	-0.13	-0.03	0.03	0.06	0.45	-0.13	0.31	-0.13	-0.13	-0.03
1969-70 DELTA-P		-0.06	0.15	-0.06	0.03	0.07	-0.06	-0.04	0.24	-0.06	-0.06	-0.06	0.07	-0.02	-0.06	-0.06	-0.06	-0.06	-0.06	0.30	-0.06	-0.01
CHANGE DELTA-P		0.08	-0.05	-0.07	0.01	0.08	-0.07	-0.03	0.22	0.12	0.5[illegible]	0.33	-0.20	-0.01	0.09	0.12	0.51	-0.07	0.37	-0.43	-0.07	-0.02
1972-73 SE OF DP		0.13	0.15	0.07	0.15	0.08	0.07	0.05	0.33	0.17	0.5[illegible]	0.26	0.07	0.08	0.14	0.18	0.55	0.07	0.39	0.07	0.07	0.09
1969-70 SE OF DP		0.05	0.17	0.05	0.08	0.05	0.05	0.04	0.26	0.05	0.0[illegible]	0.05	0.09	0.05	0.05	0.05	0.05	0.05	0.05	0.33	0.05	0.06
SE OF CHANGE DELTA-P		0.14	0.23	0.09	0.17	0.09	0.09	0.06	0.42	0.18	0.5[illegible]	0.26	0.11	0.09	0.15	0.19	0.55	0.09	0.39	0.34	0.09	0.11

RESPONSE: 04* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	58.04	65.57	50.52	59.25	55.71	64.36	51.69	62.77	34.52	49.34	45.0[illegible]	50.86	57.48	67.31	53.24	48.93	38.44	72.13	56.30	61.06	61.16	57.17
1969-70 P-VALUE	65.12	71.60	52.03	65.41	68.27	72.20	58.19	69.93	40.02	58.13	53.3[illegible]	57.41	64.72	77.01	55.39	59.75	47.12	82.36	63.76	68.68	67.02	64.71
CHANGE P-VALUE	-7.08#	-6.03	-1.51	-6.16	-12.56*	-7.84#	-6.50	-7.16#	-5.50	-8.79	-8.3[illegible]	-6.55	-7.24	-9.70#	-2.15	-10.82	-8.68	-10.23	-7.46	-7.68	-5.86	-7.54
1972-73 SE OF P-VAL	1.75	2.66	3.66	3.14	4.27	1.76	2.32	1.83	3.13	5.04	5.6[illegible]	4.96	2.62	2.36	2.44	5.53	4.70	5.64	4.29	4.77	6.83	3.15
1969-70 SE OF P-VAL	1.84	3.69	3.60	3.29	3.78	1.99	2.68	1.95	4.27	3.39	5.6[illegible]	6.27	3.17	2.16	3.13	6.78	6.30	3.26	3.99	3.84	4.79	3.31
SE OF CHANGE P-VALUE	2.54	4.55	5.13	4.55	5.70	2.66	3.54	2.67	5.29	6.07	7.9[illegible]	7.99	4.11	3.20	3.97	8.75	7.86	6.51	5.86	6.12	8.34	4.57
1972-73 DELTA-P		7.53#	-7.52*	1.21	-2.33	6.32#	-6.35#	4.73#	-23.52#	-8.70	-12.9[illegible]*	-7.18	-0.56	9.27#	-4.80#	-9.11	-19.60#	14.09#	-1.74	2.96	3.12	-0.87
1969-70 DELTA-P		6.48*	-13.09#	0.29	3.15	7.08#	-6.93#	4.81#	-25.10#	-6.99*	-11.76	-7.71	-0.40	11.89#	-9.73#	-5.37	-18.00#	17.24#	-1.36	3.56	1.90	-0.41
CHANGE DELTA-P		1.05	5.57	0.92	-5.48	-0.76	0.58	-0.08	1.58	-1.71	-1.22	0.53	-0.16	-2.62	4.93	-3.74	-1.60	-3.15	-0.38	-0.60	1.22	-0.46
1972-73 SE OF DP		2.50	3.15	2.70	3.64	1.07	1.12	0.78	3.06	4.97	5.44	4.95	2.11	1.71	1.57	5.48	4.89	5.41	4.36	4.48	6.10	2.63
1969-70 SE OF DP		3.09	3.42	2.73	3.27	1.95	1.50	0.96	4.00	3.80	5.93	5.89	2.42	1.84	2.27	6.52	6.15	3.56	3.77	3.72	4.33	2.64
SE OF CHANGE DELTA-P		,3.97	4.65	3.84	4.89	1.80	1.87	1.24	5.04	6.02	8.05	7.69	3.21	2.51	2.76	8.52	7.86	6.48	5.76	5.82	7.48	3.73

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101082-12 UP127

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses																						
1972-73 P-VALUE	77.85	80.02	71.75	79.05	79.89	84.46	71.73	82.17	48.93	72.19	70.52	68.11	78.49	84.51	66.26	71.62	69.34	82.89	76.89	78.95	80.94	78.20
1969-70 P-VALUE	80.88	84.43	66.55	85.22	83.84	86.37	76.18	86.21	54.22	73.69	57.42	67.50	80.06	88.06	76.40	63.50	61.89	91.86	84.13	86.59	83.31	82.87
CHANGE P-VALUE	-3.03	-4.41	5.20	-6.17	-3.95	-1.91	-4.45	-4.04*	-5.29	-1.50	13.10	0.61	-1.57	-3.55	-10.14	8.12	7.45	-8.97*	-7.24	-7.64	-2.37	-4.67
1972-73 SE OF P-VAL	1.47	2.41	3.12	3.83	1.71	1.64	2.03	1.60	3.22	4.19	3.86	4.31	1.89	1.51	3.78	7.57	6.57	2.88	2.45	3.10	1.54	2.48
1969-70 SE OF P-VAL	1.32	1.75	4.01	1.94	2.31	1.40	1.75	1.08	3.91	4.48	6.25	3.10	2.15	1.36	3.52	4.02	3.84	2.45	2.98	2.98	2.77	2.02
SE OF CHANGE P-VALUE	1.98	2.98	5.08	4.29	2.87	2.16	2.68	1.93	5.07	6.13	7.35	5.31	2.86	2.03	5.17	8.57	7.61	3.78	3.86	4.30	4.49	3.20
1972-73 DELTA-P		2.17	-6.10*	1.20	2.04	6.61#	-6.12#	4.32#	-28.92#	-5.66	-7.33*	-9.74*	0.64	6.66#	-11.59#	-6.23	-8.51	5.04	-0.96	1.10	3.09	0.35
1969-70 DELTA-P		3.55	-14.33#	4.34*	2.96	5.49#	-4.70#	5.33#	-26.66#	-7.19	-23.46#	-13.38#	-0.82	7.18#	-4.48	-17.38#	-18.99#	10.98#	3.25	5.71	2.43	1.99
CHANGE DELTA-P		-1.38	8.23	-3.14	-0.92	1.12	-1.42	-1.01	-2.26	1.53	16.13*	3.64	1.46	-0.52	-7.11	11.15	10.48	-5.94	-4.21	-4.61	0.66	-1.64
1972-73 SE OF DP		2.27	2.81	2.89	1.92	1.13	1.10	0.63	3.12	4.26	3.36	4.14	1.25	1.36	2.93	6.81	6.38	2.75	2.69	2.99	3.47	1.99
1969-70 SE OF DP		1.84	3.34	1.76	2.12	1.00	0.87	1.03	3.35	4.48	5.74	3.08	1.62	1.23	3.15	3.83	3.70	2.55	2.90	2.90	2.70	1.48
SE OF CHANGE DELTA-P		2.92	4.36	3.38	2.86	1.51	1.40	1.21	4.58	6.18	6.65	5.16	2.05	1.83	4.30	7.81	7.38	3.75	3.96	4.17	4.40	2.48
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	5.98	4.14	7.92	4.28	8.27	4.02	7.95	5.89	5.53	8.06	3.97	2.27	4.91	2.94	9.53	4.71	6.83	4.70	3.25	6.72	6.05	7.31
1969-70 P-VALUE	5.66	5.78	3.56	7.27	5.16	3.36	7.90	5.91	4.32	5.35	2.00	7.18	4.62	3.36	9.15	3.37	3.06	3.87	4.07	6.38	6.10	7.49
CHANGE P-VALUE	0.32	-1.64	4.36#	-2.99	3.11	0.66	0.05	-0.02	1.21	2.71	1.97	-4.91	0.29	-0.42	0.38	1.34	3.77	0.83	-0.82	0.34	-0.05	-0.18
1972-73 SE OF P-VAL	0.67	0.90	1.42	1.17	1.93	0.65	1.09	0.70	1.45	3.55	1.53	1.78	0.99	0.71	1.41	1.22	2.44	1.36	1.02	1.80	2.15	1.18
1969-70 SE OF P-VAL	0.80	1.07	0.99	1.89	1.66	0.71	1.36	0.97	1.30	1.43	0.97	3.61	1.40	0.73	1.65	1.22	1.46	1.45	1.81	1.85	2.45	1.33
SE OF CHANGE P-VALUE	1.04	1.40	1.73	2.22	2.55	0.96	1.74	1.20	1.95	3.83	1.81	4.02	1.71	1.02	2.17	1.73	2.84	1.99	2.08	2.58	3.26	2.09
1972-73 DELTA-P		-1.84	1.94	-1.70	2.29	-1.96#	1.97#	-0.09	-0.35	2.08	-2.01	-3.71*	-1.07	-3.04#	3.55#	-1.27	0.85	-1.28	-2.73*	0.74	0.07	1.33
1969-70 DELTA-P		0.12	-2.10	1.61	-0.50	-2.30#	2.24#	0.25	-1.34	-0.31	-3.66#	1.52	-1.04	-2.30#	3.49#	-2.29	-2.60	-1.79	-1.59	0.72	0.44	1.83
CHANGE DELTA-P		-1.96	4.04*	-3.31	2.79	0.34	-0.27	-0.34	0.89	2.39	1.65	-5.23	-0.03	-0.74	0.06	1.02	3.45	0.51	-1.14	0.02	-0.37	-0.50
1972-73 SE OF DP		0.93	1.23	1.04	1.60	0.60	0.60	0.38	1.31	3.28	1.55	1.73	0.99	0.81	0.90	1.22	2.36	1.30	1.11	1.59	1.94	0.90
1969-70 SE OF DP		1.09	1.11	1.39	1.43	0.73	0.75	0.29	1.37	1.56	1.34	3.53	1.19	0.73	1.04	1.38	1.54	1.60	1.76	1.79	2.17	1.27
SE OF CHANGE DELTA-P		1.43	1.66	1.74	2.15	0.94	0.96	0.48	1.90	3.63	2.05	3.93	1.55	1.09	1.38	1.84	2.82	2.06	2.08	2.39	2.91	1.56
AGE: 13																						
1972-73 P-VALUE	2.82	2.39	2.31	3.85	2.51	2.38	3.23	2.38	6.90	1.42	3.32	5.19	2.38	1.94	4.69	2.69	5.35	1.77	3.07	4.66	1.94	2.29
1969-70 P-VALUE	2.81	2.56	3.53	2.96	2.23	1.56	3.62	2.43	5.76	0.85	5.64	2.78	3.60	2.03	2.28	3.76	9.03	0.27	2.97	3.07	2.61	1.67
CHANGE P-VALUE	0.01	-0.17	-1.22	0.89	0.28	0.82	-0.39	-0.05	1.14	0.57	-2.32	2.41	-1.22	-0.09	2.41	-1.07	-3.68	1.50	0.10	1.59	-0.67	0.62
1972-73 SE OF P-VAL	0.41	0.74	0.70	0.93	0.75	0.62	0.55	0.43	2.08	0.84	1.83	1.88	0.54	0.52	1.68	1.63	1.81	0.80	1.15	0.94	0.69	0.65
1969-70 SE OF P-VAL	0.41	0.45	1.01	0.98	0.77	0.45	0.57	0.45	1.37	0.54	2.37	1.14	0.89	0.52	0.86	1.70	2.00	0.27	1.28	1.12	1.16	0.31
SE OF CHANGE P-VALUE	0.58	0.87	1.23	1.35	1.07	0.77	0.79	0.62	2.49	1.00	2.99	2.20	1.04	0.74	1.89	2.36	2.70	0.84	1.72	1.46	1.35	0.72
1972-73 DELTA-P		-0.43	-0.51	1.03	-0.31	-0.44	0.41	-0.44	4.08*	-1.40	0.50	2.37	-0.44	-0.88	1.87	-0.13	2.53	-1.05	0.25	1.84*	-0.88	-0.53
1969-70 DELTA-P		-0.25	0.72	0.15	-0.58	-1.25#	0.81#	-0.38	2.95*	-1.96#	2.83	-0.03	0.79	-0.78	-0.53	0.95	6.22#	-2.54#	0.16	0.26	-0.20	-1.14#
CHANGE DELTA-P		-0.18	-1.23	0.88	0.27	0.81	-0.40	-0.06	1.13	0.56	-2.33	2.40	-1.23	-0.10	2.40	-1.08	-3.69	1.49	0.09	1.58	-0.68	0.61
1972-73 SE OF DP		0.67	0.65	0.72	0.67	0.44	0.41	0.26	1.93	0.88	1.75	1.78	0.53	0.49	1.87	1.47	1.74	0.81	1.18	0.84	0.67	0.48
1969-70 SE OF DP		0.53	0.88	0.74	0.72	0.44	0.32	0.23	1.22	0.66	2.21	1.15	0.68	0.45	0.86	1.61	1.78	0.51	1.21	1.08	1.08	0.43
SE OF CHANGE DELTA-P		0.85	1.09	1.03	0.98	0.62	0.52	0.35	2.28	1.10	2.82	2.12	0.86	0.67	1.70	2.18	2.49	0.96	1.69	1.37	1.27	0.64

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101084-1

72-73 Report #: UB128
69-70 Report #: U613

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	07-19
69-70 Package-Exercise:	05-09
72-73 National P-val:	
UB128	82.86
69-70 National P-value:	
UB128	81.80

Timing: (in seconds)

	Stimulus:	8
	Response:	41
	I don't know:	5
	Pause:	6
UB128	Exercise total:	60

EXERCISE: 101066-1 UB128

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.40	0.84	0.27	0.32	0.14	0.27	0.53	0.32	1.04	0.00	1.58	0.00	0.51	0.19	0.42	0.55	0.92	0.46	0.00	0.19	0.85	0.30
1969-70 P-VALUE	0.44	0.53	0.67	0.20	0.45	0.51	0.37	0.39	0.80	0.29	0.00	0.57	0.48	0.13	0.72	0.00	0.76	0.00	0.59	0.00	1.62	0.39
CHANGE P-VALUE	-0.04	0.31	-0.40	0.12	-0.31	-0.24	0.16	-0.07	0.24	-0.29	1.58	-0.57	0.03	0.06	-0.30	0.55	0.16	0.46	-0.59	0.19	-0.77	-0.09
1972-73 SE OF P-VAL	0.11	0.36	0.12	0.18	0.14	0.12	0.18	0.12	0.48	0.00	0.88	0.00	0.36	0.14	0.19	0.56	0.64	0.46	0.00	0.18	0.46	0.16
1969-70 SE OF P-VAL	0.16	0.34	0.37	0.15	0.44	0.22	0.23	0.18	0.43	0.28	0.00	0.56	0.30	0.12	0.38	0.00	0.51	0.00	0.56	0.00	0.97	0.20
SE OF CHANGE P-VALUE	0.19	0.50	0.39	0.23	0.46	0.25	0.29	0.22	0.64	0.28	0.88	0.56	0.47	0.18	0.42	0.56	0.82	0.46	0.56	0.18	1.07	0.26
1972-73 DELTA-P		0.44	-0.13	-0.08	-0.26	-0.13	0.13	-0.08	0.64	-0.40#	1.18	-0.40#	0.11	-0.21	0.02	0.15	0.52	0.06	-0.40#	-0.21	0.45	-0.10
1969-70 DELTA-P		0.09	0.23	-0.24	0.01	0.07	-0.07	-0.05	0.36	-0.15	-0.44#	0.13	0.04	-0.31	0.28	-0.44#	0.32	-0.44#	0.15	-0.44#	1.18	-0.05
CHANGE DELTA-P		0.35	-0.36	0.16	-0.27	-0.20	0.20	-0.03	0.28	-0.25	1.62	-0.53	0.07	0.10	-0.26	0.59	0.20	0.50	-0.55	0.23	-0.73	-0.05
1972-73 SE OF DP		0.28	0.14	0.16	0.15	0.11	0.11	0.07	0.44	0.11	0.90	0.11	0.31	0.14	0.15	0.53	0.62	0.43	0.11	0.19	0.40	0.16
1969-70 SE OF DP		0.29	0.33	0.18	0.36	0.16	0.16	0.07	0.40	0.31	0.16	0.55	0.27	0.18	0.26	0.16	0.51	0.16	0.51	0.16	0.85	0.20
SE OF CHANGE DELTA-P		0.40	0.36	0.24	0.39	0.19	0.19	0.10	0.59	0.33	0.91	0.56	0.41	0.23	0.30	0.55	0.80	0.46	0.52	0.25	0.94	0.26
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	82.86	84.58	75.85	84.84	85.84	86.45	79.25	87.03	61.57	76.43	71.56	71.97	86.45	89.32	78.31	78.89	63.94	92.64	76.70	85.96	83.10	84.97
1969-70 P-VALUE	81.80	79.38	76.42	87.24	82.16	84.33	79.36	85.98	62.36	69.00	66.30	74.32	83.11	87.66	79.07	81.25	61.05	86.53	79.90	88.74	73.49	83.89
CHANGE P-VALUE	1.06	5.20	-0.57	-2.40	3.68	2.12	-0.11	1.05	-0.79	7.43	5.26	-2.35	3.34	1.66	-0.76	-2.36	2.89	6.11	-3.20	-2.78	9.61*	1.08
1972-73 SE OF P-VAL	1.32	2.22	3.54	1.77	2.33	1.31	1.83	1.03	3.82	3.45	3.89	5.03	2.32	1.24	1.81	3.72	4.02	2.10	4.30	2.63	3.47	1.56
1969-70 SE OF P-VAL	1.07	1.72	2.48	1.69	2.64	1.34	1.49	1.04	3.39	4.01	7.18	4.07	2.01	1.60	1.86	5.07	4.54	2.58	4.87	1.93	3.26	1.71
SE OF CHANGE P-VALUE	1.70	2.81	4.32	2.45	3.52	1.87	2.36	1.46	5.11	5.29	8.17	6.47	3.07	2.02	2.60	6.29	6.06	3.33	6.50	3.26	4.76	2.31
1972-73 DELTA-P		1.72	-7.01#	1.98	2.98	3.59#	-3.61#	4.17#	-21.29#	-6.43	-11.30#	-10.89*	3.59*	6.46#	-4.55#	-3.97	-18.92#	9.78#	-6.16	3.10	0.24	2.11
1969-70 DELTA-P		-2.42	-5.38*	5.44#	0.36	2.53#	-2.44#	4.18#	-19.44#	-12.80#	-15.50*	-7.48	1.31	5.86#	-2.73	-0.55	-20.75#	4.73	-1.90	6.94#	-8.31#	2.09
CHANGE DELTA-P		4.14	-1.63	-3.46	2.62	1.06	-1.17	-0.01	-1.85	6.37	4.20	-3.41	2.28	0.60	-1.82	-3.42	1.83	5.05	-4.26	-3.84	8.55	0.02
1972-73 SE OF DP		2.01	2.80	1.75	2.16	0.89	0.90	0.68	3.22	3.45	3.78	4.87	1.56	1.19	1.17	3.65	3.92	2.04	3.71	2.18	3.33	1.59
1969-70 SE OF DP		1.61	2.20	1.46	2.21	0.94	0.93	0.74	3.24	3.85	6.92	4.16	1.82	1.25	1.45	4.91	4.45	2.47	4.88	2.06	3.07	1.57
SE OF CHANGE DELTA-P		2.58	3.56	2.28	3.09	1.29	1.29	1.00	4.57	5.17	7.89	6.40	2.40	1.73	1.86	6.12	5.93	3.20	5.82	3.00	4.53	2.23
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.71	2.02	2.07	1.39	1.37	1.69	1.73	1.51	2.47	2.60	4.30	3.60	0.71	0.96	2.34	0.30	3.79	1.68	0.72	2.33	2.00	1.61
1969-70 P-VALUE	3.08	3.52	4.51	2.09	2.60	1.89	4.23	2.16	7.59	5.43	10.87	2.22	3.34	1.14	3.68	3.76	4.25	1.06	4.65	2.01	4.83	2.84
CHANGE P-VALUE	-1.37*	-1.50	-2.44	-0.70	-1.23	-0.20	-2.50#	-0.65	-5.12*	-2.83	-6.57	1.38	-2.63*	-0.18	-1.34	-3.46	-0.46	0.62	-3.93	0.32	-2.83	-1.23
1972-73 SE OF P-VAL	0.37	0.73	0.76	0.75	0.67	0.42	0.46	0.41	0.85	1.29	1.68	2.24	0.32	0.39	0.66	0.30	1.30	0.84	0.74	1.10	1.00	0.68
1969-70 SE OF P-VAL	0.48	1.01	1.20	0.73	0.85	0.46	0.87	0.40	2.00	2.12	5.13	1.26	1.02	0.41	0.81	2.41	1.24	0.66	2.01	1.01	1.33	0.82
SE OF CHANGE P-VALUE	0.61	1.25	1.42	1.05	1.08	0.62	0.98	0.57	2.17	2.49	5.40	2.57	1.07	0.57	1.04	2.43	1.80	1.07	2.14	1.49	1.66	1.07
1972-73 DELTA-P		0.31	0.36	-0.32	-0.34	-0.02	0.02	-0.20	0.76	0.89	2.59	1.89	-1.00*	-0.75	0.63	-1.41#	2.08	-0.03	-0.99	0.62	0.29	-0.10
1969-70 DELTA-P		0.44	1.43	-0.99	-0.48	-1.19*	1.15*	-0.92#	4.51#	2.35	7.79	-0.86	0.26	-1.94#	0.60	0.68	1.17	-2.02#	1.57	-1.07	1.75	-0.24
CHANGE DELTA-P		-0.13	-1.07	0.67	0.14	1.17*	-1.13*	0.72	-3.75	-1.46	-5.20	2.75	-1.26	1.19	0.03	-2.09	0.91	1.99	-2.56	1.69	-1.46	0.14
1972-73 SE OF DP		0.63	0.66	0.61	0.62	0.26	0.24	0.17	0.81	1.20	1.60	2.07	0.42	0.43	0.39	0.46	1.27	0.72	0.69	1.00	0.94	0.55
1969-70 SE OF DP		0.86	1.01	0.65	0.79	0.53	0.51	0.33	1.74	2.03	4.91	1.30	0.88	0.52	0.64	2.30	1.26	0.73	1.80	0.99	1.23	0.72
SE OF CHANGE DELTA-P		1.07	1.21	0.89	1.00	0.58	0.56	0.37	1.92	2.36	5.16	2.44	0.98	0.67	0.75	2.35	1.79	1.03	1.93	1.41	1.55	0.91

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101086-1

72-73 Report #: UB129
69-70 Report #: U602

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	05-11
69-70 Package-Exercise:	06-01
72-73 National P-val:	
UB129	97.74
69-70 National P-value:	
UB129	95.45

Timing: (in seconds)

	Stimulus:	9
	Response:	40
	I don't know:	5
	Pause:	6
UB129	Exercise total:	60

EXERCISE: 101086-1 0B129

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.17	0.19	0.24	0.07	0.19	0.27	0.07	0.22	0.00	0.00	0.43	0.00	0.42	0.15	0.04	0.00	0.57	0.34	0.00	0.00	0.14	0.18
1969-70 P-VALUE	1.18	0.34	2.28	1.29	0.90	1.43	0.92	0.50	5.53	1.47	4.38	0.00	0.51	0.98	1.63	1.73	7.58	0.31	0.36	1.45	0.93	0.57
CHANGE P-VALUE	-1.01#	-0.15	-2.04	-1.22	-0.71	-1.16*	-0.85*	-0.28	-5.53#	-1.47	-3.95	0.00	-0.09	-0.83	-1.59#	-1.73	-7.01	0.03	-0.36	-1.45	-0.79	-0.39
1972-73 SE OF P-VAL	0.09	0.19	0.24	0.07	0.19	0.16	0.05	0.12	0.00	0.00	0.44	0.00	0.33	0.15	0.04	0.00	0.53	0.33	0.00	0.00	0.15	0.18
1969-70 SE OF P-VAL	0.35	0.15	1.32	0.64	0.40	0.48	0.37	0.24	2.20	0.84	2.08	0.00	0.33	0.48	0.63	0.90	4.11	0.32	0.36	1.26	0.72	0.31
SE OF CHANGE P-VALUE	0.36	0.24	1.34	0.64	0.44	0.51	0.37	0.27	2.20	0.84	2.13	0.00	0.47	0.50	0.63	0.90	4.14	0.46	0.36	1.26	0.74	0.36
1972-73 DELTA-P		0.02	0.07	-0.10	0.02	0.10	-0.10	0.05	-0.17	-0.17	0.26	-0.17	0.25	-0.02	-0.13	-0.17	0.40	0.17	-0.17	-0.17	-0.03	0.01
1969-70 DELTA-P		-0.84*	1.10	0.11	-0.28	0.25	-0.26	-0.68*	4.35*	0.29	3.20	-1.18#	-0.67*	-0.20	0.45	0.55	6.40	-0.87	-0.82	0.27	-0.25	-0.61
CHANGE DELTA-P		0.86*	-1.03	-0.21	0.30	-0.15	0.16	0.73#	-4.52*	-0.46	-2.94	1.01#	0.92*	0.18	-0.58	-0.72	-6.00	1.04	0.65	-0.44	0.22	0.62
1972-73 SE OF DP		0.16	0.20	0.10	0.16	0.08	0.08	0.03	0.09	0.09	0.40	0.09	0.26	0.13	0.09	0.09	0.49	0.29	0.09	0.09	0.16	0.14
1969-70 SE OF DP		0.37	1.07	0.53	0.45	0.24	0.25	0.29	1.95	0.85	1.93	0.35	0.28	0.42	0.40	0.90	3.88	0.44	0.47	1.14	0.72	0.39
SE OF CHANGE DELTA-P		0.40	1.09	0.54	0.48	0.25	0.26	0.29	1.95	0.85	1.97	0.36	0.38	0.44	0.41	0.90	3.91	0.53	0.48	1.14	0.74	0.41
RESPONSE: 04* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	97.74	98.08	96.40	99.40	97.06	97.98	97.50	98.73	94.90	93.42	96.32	98.45	97.58	98.87	96.96	97.99	95.72	99.50	97.13	98.76	97.96	97.34
1969-70 P-VALUE	95.45	97.32	90.71	96.49	96.44	95.35	95.55	98.17	80.96	87.65	91.20	95.99	95.84	97.76	92.99	87.94	76.11	99.08	95.57	98.05	97.63	97.41
CHANGE P-VALUE	2.29#	0.76	5.69	2.91#	0.62	2.63#	1.95	0.56	13.94#	5.77	5.12	2.46	1.74	1.11	3.97#	10.05	19.61#	0.42	1.56	0.71	0.33	-0.07
1972-73 SE OF P-VAL	0.34	0.89	0.70	0.26	0.71	0.41	0.49	0.25	1.14	2.21	1.57	0.89	0.83	0.43	0.51	1.27	1.21	0.48	1.47	0.69	0.90	0.59
1969-70 SE OF P-VAL	0.74	1.11	2.85	0.80	0.89	0.90	0.87	0.37	3.53	3.85	2.71	1.54	1.24	0.65	1.33	4.90	4.46	0.70	1.14	1.33	1.34	0.80
SE OF CHANGE P-VALUE	0.81	1.42	2.93	0.84	1.14	0.99	1.00	0.45	3.71	4.44	3.13	1.78	1.49	0.78	1.42	5.06	4.62	0.85	1.86	1.50	1.61	0.99
1972-73 DELTA-P		0.34	-1.34*	1.66#	-0.68	0.24	-0.24	0.99#	-2.84#	-4.32*	-1.42	0.71	-0.16	1.13#	-0.78*	0.25	-2.02	1.76#	-0.61	1.02	0.22	-0.40
1969-70 DELTA-P		1.87	-4.72*	1.04	0.99	-0.10	0.10	2.72#	-14.49#	-7.80*	-4.25	0.54	0.39	2.31#	-2.46#	-7.51	-19.34#	3.63#	0.12	2.60	2.18	1.96*
CHANGE DELTA-P		-1.53	3.38	0.62	-1.67	0.34	-0.34	-1.73#	11.65#	3.48	2.83	0.17	-0.55	-1.18	1.68	7.76	17.32#	-1.87	-0.73	-1.58	-1.96	-2.36*
1972-73 SE OF DP		0.72	0.60	0.38	0.60	0.29	0.29	0.24	1.05	2.02	1.54	0.86	0.67	0.42	0.34	1.25	1.10	0.52	1.32	0.67	0.89	0.52
1969-70 SE OF DP		1.09	2.30	0.88	0.96	0.48	0.50	0.65	3.08	3.64	2.47	1.66	0.87	0.73	0.81	4.58	4.21	0.93	1.21	1.37	1.43	0.87
SE OF CHANGE DELTA-P		1.31	2.38	0.96	1.13	0.56	0.58	0.69	3.25	4.16	2.91	1.87	1.10	0.84	0.88	4.75	4.35	1.07	1.79	1.53	1.68	1.01
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	0.35	0.00	0.96	0.05	0.39	0.37	0.33	0.18	0.87	1.02	0.00	0.00	0.00	0.00	0.91	0.31	0.72	0.00	0.30	0.00	0.21	0.58
1969-70 P-VALUE	1.07	0.44	1.59	1.34	0.89	0.81	1.34	0.63	3.57	1.92	0.83	0.42	1.22	0.50	1.75	1.55	4.47	0.61	2.46	0.34	0.19	0.66
CHANGE P-VALUE	-0.72#	-0.44	-0.63	-1.29#	-0.50	-0.44	-1.01#	-0.45	-2.70#	-0.90	-0.83	-0.42	-1.22*	-0.50	-0.84	-1.24	-3.75*	-0.61	-2.16*	-0.34	0.02	-0.08
1972-73 SE OF P-VAL	0.13	0.00	0.45	0.05	0.20	0.18	0.18	0.11	0.50	0.76	0.00	0.00	0.00	0.00	0.32	0.30	0.55	0.00	0.30	0.00	0.20	0.30
1969-70 SE OF P-VAL	0.20	0.26	0.52	0.34	0.48	0.25	0.36	0.21	0.91	1.01	0.59	0.42	0.53	0.26	0.40	0.82	1.52	0.61	0.87	0.35	0.21	0.27
SE OF CHANGE P-VALUE	0.24	0.26	0.69	0.34	0.52	0.31	0.40	0.24	1.04	1.26	0.59	0.42	0.53	0.26	0.51	0.87	1.62	0.61	0.92	0.35	0.29	0.40
1972-73 DELTA-P		-0.35#	0.61	-0.30*	0.04	0.02	-0.02	-0.17	0.52	0.67	-0.35#	-0.35#	-0.35#	-0.35#	0.56#	-0.04	0.37	-0.35#	-0.05	-0.35#	-0.14	0.23
1969-70 DELTA-P		-0.63*	0.52	0.27	-0.18	-0.26	0.27	-0.44#	2.50#	0.85	-0.24	-0.65	0.15	-0.57*	0.68*	0.48	3.40*	-0.46	1.39	-0.73*	-0.88#	-0.41
CHANGE DELTA-P		0.28	0.09	-0.57	0.22	0.28	-0.29	0.27	-1.98*	-0.18	-0.11	0.30	-0.50	0.22	-0.12	-0.52	-3.03	0.11	-1.44	0.38	0.74*	0.64
1972-73 SE OF DP		0.13	0.34	0.13	0.19	0.13	0.13	0.10	0.43	0.72	0.13	0.13	0.13	0.13	0.19	0.30	0.52	0.13	0.25	0.13	0.21	0.22
1969-70 SE OF DP		0.28	0.44	0.29	0.39	0.23	0.23	0.18	0.84	1.01	0.61	0.45	0.43	0.23	0.34	0.79	1.47	0.55	0.81	0.36	0.26	0.26
SE OF CHANGE DELTA-P		0.31	0.56	0.32	0.43	0.26	0.26	0.17	0.94	1.24	0.62	0.47	0.45	0.26	0.39	0.85	1.56	0.57	0.86	0.38	0.33	0.34

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error

NAEP #: 101088-1

72-73 Report #: UB130
69-70 Report #: U608

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	07-02
69-70 Package-Exercise:	06-08
72-73 National P-val:	
UB130	85.23
69-70 National P-value:	
UB130	91.33

Timing: (in seconds)

	Stimulus:	9
	Response:	40
	I don't know:	5
	Pause:	5
UB130	Exercise total:	59

EXERCISE: 101088-1 08130

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.50	1.07	3.23	1.16	0.57	1.31	1.69	0.76	5.78	1.50	4.79	1.91	1.34	0.94	1.62	2.11	5.26	0.67	2.70	1.15	1.37	0.57
1969-70 P-VALUE	0.39	0.08	1.65	0.00	0.08	0.42	0.36	0.00	3.16	0.00	2.54	0.00	0.39	0.02	0.60	0.72	4.28	0.00	0.00	0.15	0.47	0.00
CHANGE P-VALUE	1.11#	0.99*	1.58	1.16*	0.49	0.89*	1.33#	0.76#	2.62	1.50*	2.25	1.91	0.95	0.92*	1.02	1.39	0.98	0.67	2.70*	1.00	0.90	0.57
1972-73 SE OF P-VAL	0.33	0.45	1.09	0.52	0.27	0.35	0.46	0.25	1.49	0.66	2.33	1.33	0.54	0.38	0.42	1.53	2.28	0.48	1.28	0.59	0.61	0.34
1969-70 SE OF P-VAL	0.23	0.08	1.11	0.00	0.01	0.22	0.26	0.00	1.83	0.00	1.53	0.00	0.31	0.02	0.40	0.45	3.48	0.00	0.00	0.03	0.50	0.00
SE OF CHANGE P-VALUE	0.40	0.46	1.56	0.52	0.27	0.41	0.53	0.25	2.36	0.66	2.79	1.33	0.62	0.38	0.58	1.59	4.16	0.48	1.28	0.59	0.79	0.34
1972-73 DELTA-P		-0.43	1.73*	-0.34	-0.93*	-0.19	0.19	-0.74#	4.28#	0.00	3.29	0.41	-0.16	-0.56	0.12	0.61	3.76	-0.83	1.28	-0.35	-0.13	-0.93*
1969-70 DELTA-P		-0.31	1.26	-0.39	-0.31	0.03	-0.03	-0.39	2.77	-0.39	2.15	-0.39	0.00	-0.37	0.21	0.33	3.89	-0.39	-0.39	-0.24	0.08	-0.39
CHANGE DELTA-P		-0.12	0.47	0.05	-0.62	-0.22	0.22	-0.35	1.51	0.39	1.14	0.80	-0.16	-0.19	-0.09	0.28	-0.13	-0.44	1.67	-0.11	-0.21	-0.54
1972-73 SE OF DP		0.46	0.85	0.47	0.39	0.23	0.23	0.22	1.28	0.71	2.19	1.30	0.40	0.32	0.29	1.43	2.17	0.51	1.12	0.56	0.62	0.38
1969-70 SE OF DP		0.24	0.88	0.23	0.23	0.08	0.08	0.23	1.61	0.23	1.38	0.23	0.13	0.23	0.20	0.47	3.28	0.23	0.23	0.22	0.50	0.23
SE OF CHANGE DELTA-P		0.52	1.22	0.52	0.45	0.24	0.24	0.32	2.06	0.75	2.59	1.32	0.42	0.39	0.35	1.51	3.93	0.56	1.14	0.60	0.80	0.44
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	85.23	86.97	82.54	85.04	86.34	85.34	85.12	87.39	75.06	79.98	80.44	82.62	85.79	91.32	80.96	80.65	70.35	85.48	84.58	85.24	90.56	87.71
1969-70 P-VALUE	91.33	92.79	83.69	95.09	91.82	91.29	91.37	95.33	71.62	76.41	84.28	91.45	91.56	94.05	88.91	85.08	68.55	97.64	91.32	93.09	95.81	92.12
CHANGE P-VALUE	-6.10#	-5.82*	-1.14	-10.05#	-5.48*	-5.95#	-6.25#	-7.94#	3.44	3.57	-3.84	-8.83	-5.77	-2.73	-7.95#	-4.43	1.80	-12.16*	-6.74	-7.85#	-5.25*	-4.41*
1972-73 SE OF P-VAL	1.16	2.30	2.99	1.93	1.76	1.49	1.29	1.11	3.70	3.25	4.29	4.53	2.08	1.54	1.34	2.26	6.47	4.80	3.97	2.65	1.46	1.61
1969-70 SE OF P-VAL	0.85	1.34	2.73	1.08	1.66	1.13	0.98	0.60	2.85	4.00	3.94	2.44	2.05	1.16	1.43	5.77	4.48	1.06	2.35	1.68	1.70	1.33
SE OF CHANGE P-VALUE	1.44	2.66	4.05	2.21	2.42	1.87	1.62	1.26	4.67	5.15	5.82	5.15	2.92	1.93	1.96	6.20	7.87	4.92	4.61	3.14	2.24	2.09
1972-73 DELTA-P		1.74	-2.69	-0.19	1.11	0.11	-0.11	2.16#	-10.17#	-5.25	-4.79	-2.61	0.56	6.09#	-4.27#	-4.58	-14.88*	0.25	-0.65	0.01	5.33#	2.48
1969-70 DELTA-P		1.46	-7.65#	3.76#	0.49	-0.04	0.04	4.00#	-19.71#	-14.92#	-7.05	0.12	0.23	2.72#	-2.42*	-6.25	-22.78#	6.31#	-0.01	1.76	4.48#	0.79
CHANGE DELTA-P		0.28	4.96	-3.95	0.62	0.15	-0.15	-1.84	9.54*	9.67	2.26	-2.73	0.33	3.37*	-1.85	1.67	7.90	-6.06	-0.64	-1.75	0.85	1.69
1972-73 SE OF DP		1.97	2.42	1.72	1.76	0.76	0.76	0.60	3.23	3.20	3.79	4.26	1.72	1.09	1.04	2.31	6.22	4.39	3.58	2.25	1.71	1.56
1969-70 SE OF DP		1.29	2.29	1.03	1.43	0.62	0.65	0.72	2.67	3.72	3.67	2.48	1.71	1.06	1.11	5.49	4.40	1.22	2.14	1.84	1.70	1.23
SE OF CHANGE DELTA-P		2.35	3.33	2.00	2.27	0.98	1.00	0.94	4.19	4.91	5.28	4.93	2.43	1.52	1.52	5.96	7.62	4.56	4.17	2.91	2.41	1.99
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.61	1.06	4.27	2.32	3.02	2.62	2.60	1.98	5.72	3.82	4.26	4.81	0.84	0.99	4.39	2.57	4.58	0.56	2.95	4.85	2.01	2.04
1969-70 P-VALUE	0.73	0.99	0.97	0.52	0.53	0.58	0.88	0.58	1.54	1.21	2.09	0.00	0.91	0.25	1.10	0.27	0.39	0.86	1.41	1.73	0.19	0.46
CHANGE P-VALUE	1.88#	0.07	3.30	1.80*	2.49#	2.04#	1.72*	1.40*	4.18#	2.61	2.17	4.81	-0.07	0.74	3.29#	2.30	4.19#	-0.30	1.54	3.12	1.82#	1.58#
1972-73 SE OF P-VAL	0.50	0.44	1.70	0.54	0.78	0.61	0.68	0.50	1.46	1.85	2.18	2.66	0.34	0.41	0.77	1.29	1.46	0.39	1.62	2.14	0.54	0.47
1969-70 SE OF P-VAL	0.22	0.47	0.41	0.51	0.23	0.25	0.37	0.25	0.68	0.76	1.32	0.00	0.75	0.16	0.40	0.28	0.39	0.59	0.62	1.30	0.21	0.24
SE OF CHANGE P-VALUE	0.55	0.64	1.75	0.74	0.81	0.66	0.77	0.56	1.61	2.00	2.55	2.66	0.82	0.44	0.87	1.32	1.51	0.71	1.73	2.50	0.58	0.53
1972-73 DELTA-P		-1.55#	1.66	-0.29	0.41	0.01	-0.01	-0.63*	3.11*	1.21	1.65	2.20	-1.77#	-1.62#	1.78#	-0.04	1.97	-2.05#	0.34	2.24	-0.60	-0.57
1969-70 DELTA-P		0.26	0.24	-0.21	-0.20	-0.15	0.15	-0.15	0.81	0.48	1.36	-0.73#	0.18	-0.48*	0.37	-0.46	-0.34	0.13	0.68	1.00	-0.54	-0.27
CHANGE DELTA-P		-1.81#	1.42	-0.08	0.61	0.16	-0.16	-0.48	2.30	0.73	0.29	2.93	-1.95#	-1.14	1.41#	0.42	2.31	-2.18#	-0.34	1.24	-0.06	-0.30
1972-73 SE OF DP		0.58	1.30	0.61	0.77	0.41	0.41	0.26	1.29	1.79	1.86	2.39	0.37	0.56	0.41	1.26	1.49	0.59	1.43	1.77	0.67	0.56
1969-70 SE OF DP		0.40	0.39	0.38	0.27	0.22	0.23	0.10	0.64	0.75	1.28	0.22	0.61	0.24	0.33	0.33	0.42	0.55	0.59	1.15	0.28	0.26
SE OF CHANGE DELTA-P		0.70	1.36	0.72	0.82	0.47	0.47	0.28	1.44	1.94	2.26	2.40	0.71	0.61	0.53	1.30	1.55	0.81	1.55	2.11	0.73	0.62

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101089-1

72-73 Report #: UP131
69-70 Report #: U604

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	06-27
69-70 Package-Exercise:	06-09
72-73 National P-val:	
UP131	91.52
69-70 National P-value:	
UP131	94.76

Timing: (in seconds)

	Stimulus:	11
	Response:	39
	I don't know:	5
	Pause:	5
UP131	Exercise total:	60

EXERCISE: 101089-1 UP131

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.18	0.25	0.29	0.15	0.00	0.25	0.11	0.05	0.92	0.00	0.00	0.00	0.06	0.00	0.44	0.00	1.14	0.00	0.00	0.00	0.29	0.14
1969-70 P-VALUE	0.35	0.09	1.41	0.00	0.12	0.30	0.40	0.00	2.01	0.00	2.54	0.00	0.15	0.03	0.64	0.26	3.40	0.00	0.37	0.22	0.47	0.00
CHANGE P-VALUE	-0.17	0.16	-1.12	0.15	-0.12#	-0.05	[illegible]	0.05	-1.09	0.00	-2.54	0.00	-0.09	-0.03	-0.20	-0.26	-2.26	0.00	-0.37	-0.22#	-0.18	0.14
1972-73 SE OF P-VAL	0.09	0.21	0.22	0.15	0.00	0.14	0.11	0.05	0.48	0.00	0.00	0.00	0.06	0.00	0.22	0.00	0.72	0.00	0.00	0.00	0.31	0.14
1969-70 SE OF P-VAL	0.20	0.08	0.97	0.00	0.03	0.21	0.22	0.00	1.59	0.00	1.53	0.00	0.14	0.02	0.41	0.26	2.99	0.00	0.36	0.07	0.50	0.00
SE OF CHANGE P-VALUE	0.22	0.22	0.99	0.15	0.03	0.25	0.25	0.05	1.66	0.00	1.53	0.00	0.15	0.02	0.47	0.26	3.08	0.00	0.36	0.07	0.59	0.14
1972-73 DELTA-P		0.07	0.11	-0.03	-0.18*	0.07	-0.07	-0.13	0.74	-0.18*	-0.18*	-0.18*	-0.12	-0.18*	0.26	-0.18*	0.96	-0.18*	-0.18*	-0.18*	0.11	-0.04
1969-70 DELTA-P		-0.26	1.06	-0.35	-0.23	-0.05	0.05	-0.35	2.46	-0.35	2.19	-0.35	-0.20*	-0.32	0.29	-0.09	3.05	-0.35	0.02	-0.13	0.12	-0.35
CHANGE DELTA-P		0.33	-0.95	0.32	0.05	0.12	-0.12	0.22	-1.72	0.17	-2.37	0.17	0.08	0.14	-0.03	-0.09	-2.09	0.17	-0.20	-0.05	-0.01	0.31
1972-73 SE OF DP		0.17	0.18	0.13	0.09	0.09	0.09	0.08	0.40	0.09	0.09	0.09	0.10	0.09	0.14	0.09	0.66	0.09	0.09	0.09	0.27	0.13
1969-70 SE OF DP		0.21	0.77	0.20	0.20	0.07	0.07	0.20	1.00	0.20	1.39	0.20	0.09	0.20	0.23	0.31	2.01	0.20	0.37	0.20	0.49	0.20
SE OF CHANGE DELTA-P		0.27	0.79	0.24	0.22	0.11	0.11	0.22	1.08	0.22	1.39	0.22	0.13	0.22	0.27	0.32	2.09	0.22	0.38	0.22	0.56	0.24
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	91.52	89.99	92.01	94.06	89.43	90.21	92.87	93.75	84.09	80.41	90.15	90.33	93.93	93.45	89.02	92.23	81.66	92.16	91.84	94.32	93.39	91.70
1969-70 P-VALUE	94.76	95.50	90.98	95.26	96.75	95.14	94.37	96.58	83.09	92.93	89.38	97.61	94.36	96.30	93.53	90.95	84.80	99.40	92.25	95.31	93.88	96.30
CHANGE P-VALUE	-3.24#	-5.51#	1.03	-1.20	-7.32#	-4.93#	-1.50	-2.83#	1.00	-12.52#	0.77	-7.28*	-0.43	-2.85*	-4.51#	1.28	-3.14	-7.24#	-0.41	-0.99	-0.49	-4.60#
1972-73 SE OF P-VAL	0.70	1.73	1.40	0.70	1.57	1.01	0.89	0.66	2.26	2.61	2.72	3.00	1.05	0.91	1.09	1.76	2.88	1.93	1.95	1.81	1.81	1.29
1969-70 SE OF P-VAL	0.66	1.08	2.25	1.14	0.68	0.73	0.84	0.54	3.37	2.19	2.95	1.33	1.65	0.77	1.15	4.36	5.56	0.59	1.85	1.62	2.67	0.86
SE OF CHANGE P-VALUE	0.96	2.04	2.65	1.34	1.71	1.25	1.22	0.85	4.06	3.41	4.01	3.28	1.96	1.19	1.58	4.70	6.26	2.02	2.69	2.43	3.23	1.55
1972-73 DELTA-P		-1.53	0.49	2.84#	-2.09	-1.31*	1.35*	2.23#	-6.63#	-11.11#	-1.37	-1.19	2.41*	1.93*	-2.50#	0.71	-9.86#	0.64	0.32	2.80	1.87	0.18
1969-70 DELTA-P		0.74	-3.78*	0.50	1.99*	0.38	-0.39	1.82#	-11.27#	-1.83	-5.38	2.85*	-0.40	1.54*	-1.23	-3.81	-9.96	4.64#	-2.51	0.55	-0.88	1.54
CHANGE DELTA-P		-2.27	4.27	2.34	-4.08#	-1.69*	1.74*	0.41	4.64	-9.28#	4.01	-4.04	2.81	0.39	-1.27	4.52	0.10	-4.00*	2.83	2.25	2.75	-1.36
1972-73 SE OF DP		1.38	1.22	0.82	1.38	0.65	0.65	0.44	2.03	2.46	2.52	2.71	0.98	0.78	0.73	1.66	2.71	1.76	2.02	1.72	1.62	1.03
1969-70 SE OF DP		1.02	1.86	0.96	0.81	0.42	0.44	0.58	3.01	2.08	2.74	1.40	1.36	0.68	0.93	4.10	5.32	0.83	1.85	1.52	2.54	0.93
SE OF CHANGE DELTA-P		1.72	2.22	1.26	1.60	0.77	0.78	0.73	3.63	3.22	3.72	3.05	1.68	1.03	1.18	4.42	5.97	1.95	2.74	2.30	3.01	1.39
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.84	2.25	1.39	1.63	2.14	1.70	1.98	1.37	2.54	5.72	1.28	0.93	0.62	0.68	3.60	0.00	4.89	1.37	2.51	1.88	1.36	1.68
1969-70 P-VALUE	0.93	0.41	2.03	0.91	0.49	0.79	1.08	0.52	3.66	0.89	3.22	0.00	0.99	0.54	1.19	3.07	1.80	0.00	0.32	1.72	1.10	0.53
CHANGE P-VALUE	0.91*	1.84#	-0.64	0.72	1.65#	0.91	0.90	0.85*	-1.12	4.83*	-1.94	0.93	-0.37	0.14	2.41#	-3.07	3.09	1.37*	2.19*	0.16	0.26	1.15
1972-73 SE OF P-VAL	0.30	0.67	0.59	0.57	0.59	0.39	0.40	0.33	0.72	1.87	0.99	0.93	0.08	0.28	0.61	0.00	1.26	0.62	0.93	1.21	0.63	0.54
1969-70 SE OF P-VAL	0.27	0.25	1.01	0.47	0.22	0.28	0.39	0.20	1.50	0.55	1.92	0.00	0.04	0.33	0.36	2.10	1.02	0.00	0.33	1.11	0.69	0.25
SE OF CHANGE P-VALUE	0.40	0.72	1.17	0.74	0.63	0.48	0.56	0.39	1.66	1.95	2.16	0.93	0.09	0.43	0.71	2.10	1.62	0.62	0.99	1.64	0.93	0.60
1972-73 DELTA-P		0.41	-0.45	-0.21	0.30	-0.14	0.14	-0.47#	0.70	3.88*	-0.56	-0.91	-1.22#	-1.16#	1.76#	-1.84#	3.05#	-0.47	0.67	0.04	-0.48	-0.16
1969-70 DELTA-P		-0.52	1.10	-0.02	-0.44	-0.14	0.15	-0.41	2.73*	-0.04	2.29	-0.93#	0.06	-0.39	0.26	2.14	0.87	-0.93#	-0.61	0.79	0.17	-0.40
CHANGE DELTA-P		0.93	-1.55	-0.19	0.74	0.00	-0.01	-0.06	-2.03	3.92*	-2.85	0.02	-1.28	-0.77	1.50#	-3.98*	2.18	0.46	1.28	-0.75	-0.65	0.24
1972-73 SE OF DP		0.56	0.51	0.48	0.54	0.25	0.26	0.18	0.69	1.00	0.92	0.91	0.33	0.28	0.36	0.30	1.17	0.63	0.85	1.09	0.62	0.45
1969-70 SE OF DP		0.33	0.81	0.40	0.32	0.19	0.20	0.21	1.30	0.50	1.84	0.27	0.70	0.31	0.33	1.93	1.00	0.27	0.39	1.01	0.67	0.30
SE OF CHANGE DELTA-P		0.65	0.96	0.62	0.63	0.31	0.33	0.28	1.47	1.09	2.06	0.95	0.77	0.42	0.49	1.95	1.54	0.69	0.94	1.49	0.91	0.54

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101090-1

72-73 Report #: UB132
69-70 Report #: U643

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	06-13
69-70 Package-Exercise:	06-16

72-73 National P-val:
UB132 43.29
69-70 National P-value:
UB132 41.56

Timing: (in seconds)
Stimulus: 9
Response: 40
I don't know: 5
Pause: 6
UB132 Exercise total: 60

EXERCISE: 101090-1 UB132

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.10	0.00	0.00	0.19	0.22	0.11	0.09	0.13	0.00	0.00	0.00	0.00	0.00	0.18	0.12	0.00	0.00	0.43	0.00	0.38	0.00	0.00
1969-70 P-VALUE	0.42	0.54	1.31	0.00	0.04	0.33	0.51	0.04	2.61	1.08	2.54	0.00	0.29	0.03	0.75	0.14	5.12	0.00	0.32	0.08	0.47	0.00
CHANGE P-VALUE	-0.32	-0.54	-1.31	0.19	0.18	-0.22	-0.42	0.09	-2.61	-1.08	-2.54	0.00	-0.29	0.15	-0.63	-0.14	-5.12	0.43	-0.32	0.30	-0.47	0.00
1972-73 SE OF P-VAL	0.07	0.00	0.00	0.19	0.21	0.10	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.18	0.12	0.00	0.00	0.41	0.00	0.35	0.00	0.00
1969-70 SE OF P-VAL	0.24	0.30	1.08	0.00	0.04	0.21	0.30	0.04	1.81	1.06	1.53	0.00	0.29	0.03	0.44	0.14	3.48	0.00	0.32	0.08	0.50	0.00
SE OF CHANGE P-VALUE	0.25	0.30	1.08	0.19	0.21	0.23	0.31	0.10	1.81	1.06	1.53	0.00	0.29	0.18	0.46	0.14	3.48	0.41	0.32	0.36	0.50	0.00
1972-73 DELTA-P		-0.10	-0.10	0.09	0.12	0.01	-0.01	0.03	-0.10	-0.10	-0.10	-0.10	-0.10	0.08	0.02	-0.10	-0.10	0.33	-0.10	0.28	-0.10	-0.10
1969-70 DELTA-P		0.12	0.89	-0.42	-0.38	-0.09	0.09	-0.38	2.19	0.66	2.12	-0.42	-0.13	-0.39	0.33	-0.28	4.70	-0.42	-0.10	-0.34	0.05	-0.42
CHANGE DELTA-P		-0.22	-0.99	0.51	0.50	0.10	-0.10	0.41	-2.29	-0.76	-2.22	0.32	0.03	0.47	-0.31	0.18	-4.80	0.75	0.00	0.62	-0.15	0.32
1972-73 SE OF DP		0.07	0.07	0.14	0.18	0.07	0.07	0.02	0.07	0.07	0.07	0.07	0.07	0.13	0.09	0.07	0.07	0.36	0.07	0.31	0.07	0.07
1969-70 SE OF DP		0.32	0.86	0.24	0.24	0.10	0.10	0.23	1.60	1.02	1.38	0.24	0.12	0.24	0.23	0.27	3.26	0.24	0.36	0.24	0.50	0.24
SE OF CHANGE DELTA-P		0.33	0.86	0.28	0.30	0.12	0.12	0.23	1.60	1.02	1.38	0.25	0.14	0.27	0.25	0.28	3.26	0.43	0.37	0.39	0.50	0.25
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	43.29	41.35	41.97	45.79	43.92	46.16	40.33	44.93	37.40	37.45	36.02	48.88	41.59	48.61	40.58	49.99	36.24	45.48	39.95	41.47	44.08	44.01
1969-70 P-VALUE	41.56	44.19	35.54	43.20	42.16	44.58	38.41	42.61	34.44	41.97	37.21	35.00	43.59	45.38	37.30	44.23	29.93	39.04	34.68	45.14	53.15	41.27
CHANGE P-VALUE	1.73	-2.84	6.43	2.59	1.76	1.58	1.92	2.32	2.96	-4.52	-1.19	13.88*	-2.00	3.23	3.28	5.76	6.31	6.44	5.27	-3.67	-9.07	2.74
1972-73 SE OF P-VAL	1.04	1.94	2.04	2.43	1.69	1.61	1.57	1.29	2.79	2.95	5.03	4.58	2.52	2.56	1.60	3.32	3.27	4.31	3.88	2.68	3.54	2.14
1969-70 SE OF P-VAL	1.36	3.14	3.83	1.81	2.54	1.79	1.92	1.53	3.99	4.82	6.11	4.88	2.71	2.30	2.15	3.53	4.93	3.91	3.69	2.22	5.39	2.20
SE OF CHANGE P-VALUE	1.71	3.69	4.34	3.03	3.05	2.41	2.48	2.00	4.87	5.65	7.91	6.69	3.70	3.44	2.68	4.85	5.92	5.82	5.35	3.48	6.45	3.07
1972-73 DELTA-P		-1.94	-1.32	2.50	0.63	2.87*	-2.96*	1.64#	-5.89#	-5.84	-7.27	5.59	-1.70	5.32*	-2.71*	6.70	-7.05*	2.19	-3.34	-1.82	0.79	0.72
1969-70 DELTA-P		2.63	-6.02	1.64	0.60	3.02*	-3.15*	1.05	-7.12	0.41	-4.35	-6.56	2.03	3.82*	-4.26*	2.67	-11.63*	-2.52	-6.88*	3.58	11.59*	-0.29
CHANGE DELTA-P		-4.57	4.70	0.86	0.03	-0.15	0.19	0.59	1.23	-6.25	-2.92	12.15	-3.73	1.50	1.55	4.03	4.58	4.71	3.54	-5.40	-10.80	1.01
1972-73 SE OF DP		1.66	1.80	1.95	1.67	1.17	1.20	0.58	2.62	3.00	5.09	4.41	2.37	2.23	1.24	3.40	3.05	3.86	3.73	2.74	3.16	2.09
1969-70 SE OF DP		2.63	3.26	1.76	2.29	1.23	1.29	0.60	3.81	4.80	5.92	4.85	2.26	1.75	1.87	3.54	4.80	3.61	3.42	2.30	4.98	1.94
SE OF CHANGE DELTA-P		3.11	3.72	2.63	2.83	1.70	1.76	0.83	4.62	5.66	7.81	6.56	3.27	2.83	2.24	4.91	5.69	5.29	5.06	3.58	5.90	2.85
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.05	3.45	3.14	3.97	6.00	3.10	5.02	4.44	2.23	3.57	0.89	1.75	3.41	4.73	4.62	2.80	3.06	2.97	3.35	4.62	7.43	3.63
1969-70 P-VALUE	3.37	2.56	4.65	3.17	3.30	2.95	3.81	3.17	4.03	4.80	5.19	0.79	3.23	3.01	4.03	3.78	4.20	2.16	3.33	3.96	2.10	3.82
CHANGE P-VALUE	0.68	0.89	-1.51	0.80	2.70*	0.15	1.21	1.27	-1.80	-1.23	-4.30	0.96	0.18	1.72	0.59	-0.98	-1.14	0.81	0.02	0.66	5.33*	-0.19
1972-73 SE OF P-VAL	0.50	1.19	0.71	0.87	1.07	0.45	0.84	0.63	0.57	1.31	0.62	1.03	0.80	0.80	0.74	1.70	0.80	0.84	1.08	1.54	1.65	0.79
1969-70 SE OF P-VAL	0.53	0.66	1.84	0.84	0.72	0.51	0.79	0.59	1.22	1.68	2.54	0.56	0.93	0.75	0.92	1.42	1.33	0.64	1.01	1.47	1.72	1.09
SE OF CHANGE P-VALUE	0.73	1.36	1.97	1.21	1.29	0.68	1.15	0.86	1.35	2.13	2.61	1.17	1.23	1.10	1.18	2.22	1.55	1.06	1.48	2.13	2.38	1.35
1972-73 DELTA-P		-0.60	-0.91	-0.08	1.95*	-0.95*	0.97*	0.39*	-1.82#	-0.48	-3.16#	-2.30*	-0.64	0.68	0.57	-1.25	-0.99	-1.08	-0.70	0.57	3.38*	-0.42
1969-70 DELTA-P		-0.81	1.28	-0.20	-0.07	-0.42	0.44	-0.20	0.66	1.43	1.82	-2.58#	-0.14	-0.36	0.66	0.41	0.83	-1.21	-0.04	0.59	-1.27	0.45
CHANGE DELTA-P		0.21	-2.19	0.12	2.02	-0.53	0.53	0.59*	-2.48	-1.91	-4.98	0.28	-0.50	1.04	-0.09	-1.66	-1.82	0.13	-0.66	-0.02	4.65*	-0.87
1972-73 SE OF DP		0.95	0.71	0.76	0.96	0.44	0.45	0.17	0.67	1.35	0.71	1.12	0.65	0.64	0.42	1.55	0.84	0.87	1.05	1.45	1.46	0.67
1969-70 SE OF DP		0.71	1.49	0.74	0.74	0.40	0.41	0.20	1.15	1.70	2.45	0.73	0.81	0.55	0.67	1.41	1.35	0.73	1.04	1.39	1.60	0.77
SE OF CHANGE DELTA-P		1.19	1.65	1.06	1.21	0.59	0.61	0.26	1.33	2.17	2.55	1.34	1.04	0.84	0.79	2.10	1.59	1.14	1.48	2.01	2.17	1.02

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101092-12

72-73 Report #: UB133
69-70 Report #: U638, U701

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	04-07	03-12
69-70 Package-Exercise:	07-04	09-01
72-73 National P-val:		
UB133	53.65	95.60
69-70 National P-value:		
UB133	56.56	94.93

Timing: (in seconds)			
	Stimulus:	9	11
	Response:	41	9
	I don't know:	5	5
	Pause:	6	6
UB133	Exercise total:	61	31

EXERCISE: 101092-12 UB133

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	2.02	2.94	1.12	3.03	0.73	2.02	2.02	1.69	4.43	0.70	0.00	0.00	2.80	1.82	2.28	1.88	8.12	0.32	0.78	3.42	0.69	1.75
1969-70 P-VALUE	0.97	0.65	2.26	0.62	0.48	0.91	1.03	0.67	3.61	0.92	0.00	0.67	0.61	0.31	2.11	4.19	1.78	0.00	0.00	1.15	0.69	0.75
CHANGE P-VALUE	1.05	2.29	-1.14	2.41	0.25	1.11	0.99	1.02	0.82	-0.22	0.00	-0.67	2.19*	1.51	0.17	-2.31	6.34	0.32	0.78	2.27	0.00	1.00
1972-73 SE OF P-VAL	0.54	1.40	0.48	1.35	0.32	0.63	0.56	0.58	2.55	0.71	0.00	0.00	0.90	0.83	0.76	1.13	4.96	0.32	0.59	2.35	0.44	1.04
1969-70 SE OF P-VAL	0.28	0.44	0.87	0.37	0.41	0.41	0.48	0.31	1.45	0.90	0.00	0.67	0.49	0.18	0.78	2.38	0.57	0.00	0.00	1.75	0.65	0.42
SE OF CHANGE P-VALUE	0.61	1.47	0.99	1.40	0.52	0.75	0.74	0.66	2.93	1.15	0.00	0.67	1.02	0.85	1.09	2.63	4.99	0.32	0.59	2.47	0.78	1.12
1972-73 DELTA-P		0.92	-0.90	1.01	-1.29*	0.00	0.00	-0.33	2.41	-1.32	-2.02#	-2.02#	0.78	-0.20	0.26	-0.14	6.10	-1.70#	-1.24	1.40	-1.33*	-0.27
1969-70 DELTA-P		-0.32	1.29	-0.35	-0.49	-0.06	0.06	-0.30	2.64	-0.05	-0.97#	-0.30	-0.36	-0.66*	1.14*	3.22	0.81	-0.97#	-0.97#	0.18	-0.28	-0.22
CHANGE DELTA-P		1.24	-2.19*	1.36	-0.80	0.06	-0.06	-0.03	-0.23	-1.27	-1.05	-1.72	1.14	0.46	-0.88	-3.36	5.29	-0.73	-0.27	1.22	-1.05	-0.05
1972-73 SE OF DP		1.13	0.64	1.04	0.58	0.26	0.25	0.39	2.36	0.79	0.54	0.54	0.59	0.69	0.42	1.16	4.73	0.61	0.78	2.21	0.65	0.81
1969-70 SE OF DP		0.41	0.68	0.37	0.41	0.33	0.35	0.17	1.37	0.93	0.28	0.71	0.46	0.30	0.56	2.20	0.60	0.28	0.28	0.68	0.72	0.41
SE OF CHANGE DELTA-P		1.20	0.93	1.10	0.71	0.42	0.43	0.43	2.73	1.22	0.61	0.89	0.75	0.75	0.70	2.49	4.77	0.67	0.83	2.31	0.97	0.91
AGE: 13																						
1972-73 P-VALUE	0.28	0.37	0.43	0.33	0.00	0.26	0.29	0.28	0.39	0.00	0.00	0.40	0.43	0.20	0.25	0.00	0.26	0.00	[illegible]	0.48	0.00	0.47
1969-70 P-VALUE	0.72	1.67	0.20	0.35	0.57	1.19	0.28	0.71	0.89	0.38	0.00	0.93	0.39	0.86	1.31	0.00	1.29	0.58	[illegible]	0.12	0.27	1.15
CHANGE P-VALUE	-0.44	-1.30	0.23	-0.02	-0.57	-0.93	0.01	-0.43	-0.50	-0.38	0.00	-0.53	0.04	-0.66	-1.06	0.00	-1.03	-0.58	[illegible]	0.36	-0.27	-0.68
1972-73 SE OF P-VAL	0.12	0.28	0.32	0.27	0.00	0.17	0.17	0.15	0.26	0.00	0.00	0.39	0.30	0.15	0.25	0.00	0.25	0.00	0.31	0.46	0.00	0.28
1969-70 SE OF P-VAL	0.34	1.20	0.21	0.25	0.32	0.69	0.16	0.42	0.49	0.38	0.00	0.92	0.32	0.36	1.08	0.00	0.70	0.56	0.84	0.12	0.28	0.97
SE OF CHANGE P-VALUE	0.36	1.23	0.38	0.47	0.32	0.71	0.23	0.45	0.55	0.38	0.00	1.00	0.44	0.39	1.11	0.00	0.74	0.56	0.90	0.48	0.28	1.01
1972-73 DELTA-P		0.09	0.15	0.05	-0.28*	-0.02	0.01	0.00	0.11	-0.28*	-0.28*	0.12	0.15	-0.08	-0.03	-0.28*	-0.02	-0.28*	0.04	0.20	-0.28*	0.19
1969-70 DELTA-P		0.95	-0.52	-0.37	-0.15	0.47	-0.44	-0.01	0.17	-0.34	-0.72*	0.21	-0.33	0.14	0.59	-0.72*	0.57	-0.14	0.35	-0.60	-0.45	0.43
CHANGE DELTA-P		-0.86	0.67	0.42	-0.13	-0.49	0.45	0.01	-0.06	0.06	0.44	-0.09	0.48	-0.22	-0.62	0.44	-0.59	-0.14	-0.31	0.80	0.17	-0.24
1972-73 SE OF DP		0.23	0.27	0.22	0.12	0.12	0.11	0.04	0.26	0.12	0.12	0.33	0.22	0.14	0.25	0.12	0.26	0.12	0.30	0.42	0.12	0.19
1969-70 SE OF DP		0.88	0.38	0.38	[illegible]	0.36	0.34	0.12	0.53	0.49	0.34	0.68	0.17	0.20	0.80	0.34	0.72	0.62	0.80	0.36	0.41	0.68
SE OF CHANGE DELTA-P		0.91	0.47	0.44	0.43	0.38	0.36	0.13	0.59	0.50	0.36	0.56	0.28	0.24	0.84	0.36	0.77	0.63	0.85	0.55	0.43	0.71
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	53.65	52.05	59.73	51.79	51.45	54.43	52.91	55.22	49.02	43.97	45.46	55.58	52.22	59.40	50.46	50.72	49.12	55.16	48.96	49.81	61.25	54.38
1969-70 P-VALUE	56.56	52.23	60.92	57.39	56.20	57.78	55.26	57.89	47.71	52.09	49.70	47.23	57.85	58.45	55.76	51.26	51.58	59.76	58.90	53.03	60.04	57.16
CHANGE P-VALUE	-2.91	-0.18	-1.19	-5.60	-4.75	-3.35	-2.35	-2.67	1.31	-8.12	-4.24	8.35	-5.63	0.95	-5.30	-0.54	-2.46	-4.60	-9.94	-3.22	1.21	-2.78
1972-73 SE OF P-VAL	1.42	2.53	2.36	3.59	[illegible]	1.78	1.78	1.71	2.35	4.42	3.95	5.12	2.80	2.13	2.12	2.80	5.58	5.31	4.22	3.77	4.35	2.34
1969-70 SE OF P-VAL	1.57	3.39	3.29	2.63	[illegible]	2.11	2.00	1.79	4.29	4.62	5.19	6.20	2.79	2.65	1.96	5.12	3.35	5.78	3.06	5.46	3.40	2.90
SE OF CHANGE P-VALUE	2.12	4.23	4.05	4.45	[illegible]	2.76	2.68	2.48	4.89	6.39	6.52	8.04	3.95	3.40	2.89	5.84	6.51	7.85	5.21	6.64	5.52	3.73
1972-73 DELTA-P		-1.60	6.08#	-1.86	[illegible]	0.78	-0.74	1.57#	-4.63	-9.68*	-8.19*	1.93	[illegible]	5.75#	-3.19*	-2.93	-4.53	1.51	-4.69	-3.84	7.60	0.73
1969-70 DELTA-P		-4.33	4.36	0.83	-0.36	1.22	-1.30	1.33*	-8.85*	-4.47	-6.86	-9.33	[illegible]	1.89	-0.80	-5.30	-4.98	3.20	2.34	-3.53	3.48	0.60
CHANGE DELTA-P		2.73	1.72	-2.69	-1.84	-0.44	0.56	0.24	4.22	-5.21	-1.33	11.26	[illegible]	3.86	-2.39	2.37	0.45	-1.69	-7.03	-0.31	4.12	0.13
1972-73 SE OF DP		2.32	2.24	2.73	2.17	1.10	1.04	0.59	2.41	4.56	3.92	5.45	2.46	1.49	1.31	2.83	5.60	4.84	4.00	3.45	3.91	2.09
1969-70 SE OF DP		2.81	2.88	2.35	2.89	1.29	1.36	0.63	4.31	4.53	5.18	5.56	2.30	1.88	1.77	4.95	3.49	5.70	3.07	4.96	3.28	2.21
SE OF CHANGE DELTA-P		3.64	3.65	3.60	3.61	1.70	1.71	0.86	4.94	6.43	6.50	7.79	3.37	2.40	2.20	5.70	6.60	7.48	5.04	6.04	5.10	3.04

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101092-12 UB133

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	95.60	96.07	94.35	94.89	96.98	95.49	95.70	96.78	89.80	92.37	94.02	89.69	96.39	97.54	91.83	93.91	90.52	97.32	96.51	97.14	96.25	95.56
1969-70 P-VALUE	94.93	94.38	94.42	96.37	94.46	94.47	95.30	96.00	90.34	92.26	95.22	88.96	95.35	97.09	91.19	92.81	94.18	96.59	92.21	97.79	97.79	93.96
CHANGE P-VALUE	0.67	1.69	-0.07	-1.48	2.52	1.02	0.40	0.78	-0.54	0.11	-1.20	0.73	1.04	0.45	0.64	1.10	-3.66	0.73	4.30	-0.65	-1.54	1.60
1972-73 SE OF P-VAL	0.57	0.78	1.29	1.38	0.93	0.77	0.66	0.56	2.03	1.92	2.36	3.13	0.85	0.56	1.43	1.50	2.02	1.17	1.15	1.20	1.37	1.10
1969-70 SE OF P-VAL	0.85	2.50	1.19	1.25	1.36	1.29	0.95	0.83	1.86	2.66	1.50	3.76	1.14	0.65	2.51	1.80	1.82	1.10	4.87	1.04	0.59	1.35
SE OF CHANGE P-VALUE	1.02	2.62	1.76	1.86	1.65	1.50	1.16	1.00	2.75	3.28	2.83	4.89	1.42	0.86	2.89	2.34	2.72	1.61	5.00	1.59	1.49	1.74
1972-73 DELTA-P		0.47	-1.25	-0.71	1.38	-0.11	0.10	1.18#	-5.80#	-3.23	-1.58	-5.91*	0.79	1.94#	-3.77#	-1.69	-5.08#	1.72	0.91	1.54	0.65	-0.04
1969-70 DELTA-P		-0.55	-0.51	1.44	-0.47	-0.46	0.37	1.07#	-4.59#	-2.67	0.29	-5.97	0.42	2.16#	-3.74	-2.12	-0.75	1.66	-2.72	2.86*	2.86#	-0.97
CHANGE DELTA-P		1.02	-0.74	-2.15	1.85	0.35	-0.27	0.11	-1.21	-0.56	-1.87	0.06	0.37	-0.22	-0.03	0.43	-4.33	0.06	3.63	-1.32	-2.21	0.93
1972-73 SE OF DP		0.80	1.12	1.09	0.86	0.44	0.41	0.33	1.85	1.83	2.15	2.84	0.64	0.61	1.31	1.34	1.92	1.15	1.14	1.19	1.31	0.77
1969-70 SE OF DP		1.91	1.[illegible]3	1.23	1.29	0.76	0.70	0.80	1.59	2.33	1.77	3.20	0.76	0.78	2.30	1.74	1.87	1.31	4.27	1.25	1.01	1.15
SE OF CHANGE DELTA-P		2.07	1.66	1.64	1.55	0.88	0.81	0.52	2.44	2.[illegible]6	2.78	4.28	0.99	0.99	2.65	2.20	2.68	1.74	4.42	1.73	1.65	1.38
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.60	2.00	2.51	2.84	3.06	1.92	3.25	2.23	3.69	4.81	5.33	0.00	1.59	1.14	4.33	5.61	4.20	2.24	4.23	1.23	1.10	2.37
1969-70 P-VALUE	1.74	2.08	2.24	1.22	1.48	2.08	1.38	1.36	4.42	2.76	3.35	2.00	1.70	0.82	2.52	1.91	3.16	2.05	0.55	1.15	1.41	2.14
CHANGE P-VALUE	0.86	-0.08	0.27	1.62*	1.52	-0.16	1.87#	0.87	-0.73	2.05	1.98	-2.00	-0.11	0.32	1.81	3.70	1.04	0.19	3.68#	0.08	-0.31	0.23
1972-73 SE OF P-VAL	0.31	0.52	0.64	0.60	0.70	0.39	0.54	0.30	0.97	2.00	2.01	0.00	0.48	0.39	0.62	2.05	1.45	0.93	1.13	0.73	0.51	0.52
1969-70 SE OF P-VAL	0.38	0.93	1.03	0.42	0.56	0.53	0.41	0.35	1.84	1.30	2.53	1.40	0.55	0.48	0.69	2.02	1.56	1.44	0.38	0.60	0.59	0.69
SE OF CHANGE P-VALUE	0.49	1.07	1.21	0.73	0.90	0.66	0.68	0.46	2.08	2.39	3.23	1.40	0.73	0.62	0.93	2.88	2.13	1.71	1.19	0.94	0.78	0.86
1972-73 DELTA-P		-0.60	-0.09	0.24	0.40	-0.68	0.65	-0.37	1.09	2.21	2.73	-2.60#	-1.01	-1.46#	1.73#	3.01	1.60	-0.36	1.63	-1.37	-1.50#	-0.23
1969-70 DELTA-P		0.34	0.50	-0.52	-0.26	0.34	-0.36	-0.38	2.68	1.02	1.61	0.26	-0.04	-0.92*	0.78	0.17	1.42	0.31	-1.19*	-0.59	-0.33	0.40
CHANGE DELTA-P		-0.94	-0.59	0.76	0.66	-1.02*	1.01*	0.01	-1.59	1.19	1.12	-2.86*	-0.97	-0.54	0.95	2.84	0.18	-0.67	2.82*	-0.78	-1.17	-0.63
1972-73 SE OF DP		0.49	0.56	0.50	0.60	0.37	0.35	0.20	0.85	1.91	1.88	0.31	0.53	0.37	0.42	1.93	1.39	0.93	1.06	0.70	0.52	0.48
1969-70 SE OF DP		0.74	0.86	0.47	0.56	0.24	0.30	0.22	1.63	1.27	2.36	1.22	0.61	0.41	0.56	1.89	1.52	1.34	0.49	0.61	0.60	0.51
SE OF CHANGE DELTA-P		0.89	1.03	0.69	0.82	0.46	0.46	0.30	1.84	2.29	3.02	1.26	0.74	0.55	0.70	2.70	2.06	1.63	1.17	0.93	0.79	0.70
AGE: 13																						
1972-73 P-VALUE	0.41	0.62	0.18	0.75	0.03	0.31	0.50	0.44	0.34	0.13	0.00	0.65	0.31	0.52	0.36	0.35	0.00	0.39	0.37	0.00	0.44	0.67
1969-70 P-VALUE	0.66	0.29	0.63	0.84	0.89	0.47	0.85	0.60	0.93	0.78	0.00	0.18	0.62	0.62	1.82	0.39	0.00	0.31	0.28	0.00	1.01	1.24
CHANGE P-VALUE	-0.25	0.33	-0.45	-0.09	-0.86	-0.16	-0.35	-0.16	-0.59	-0.65	0.00	0.47	-0.31	-0.10	-1.46	-0.04	0.00	0.08	0.09	0.00	-0.57	-0.57
1972-73 SE OF P-VAL	0.14	0.34	0.18	0.35	0.03	0.16	0.22	0.16	0.34	0.13	0.00	0.60	0.24	0.24	0.30	0.35	0.00	0.40	0.37	0.00	0.37	0.31
1969-70 SE OF P-VAL	0.21	0.15	0.28	0.57	0.50	0.18	0.39	0.25	0.45	0.78	0.00	0.17	0.29	0.38	0.91	0.31	0.00	0.31	0.27	0.00	0.40	0.59
SE OF CHANGE P-VALUE	0.25	0.37	0.33	0.67	0.50	0.24	0.45	0.30	0.56	0.79	0.00	0.62	0.38	0.45	0.96	0.47	0.00	0.51	0.46	0.00	0.54	0.67
1972-73 DELTA-P		0.21	-0.23	0.34	-0.38#	-0.10	0.09	0.03	-0.07	-0.28	-0.41#	0.24	-0.10	0.11	-0.05	-0.06	-0.41#	-0.02	-0.04	-0.41#	0.03	0.26
1969-70 DELTA-P		-0.37	-0.03	0.18	0.23	-0.19	0.19	-0.06	0.27	0.12	-0.66#	-0.48	-0.04	-0.04	1.16	-0.27	-0.66#	-0.35	-0.38	-0.66#	0.35	0.58
CHANGE DELTA-P		0.58	-0.20	0.16	-0.61	0.09	-0.10	0.09	-0.34	-0.40	0.25	0.72	-0.06	0.15	-1.21	0.21	0.25	0.33	0.34	0.25	-0.32	-0.32
1972-73 SE OF DP		0.28	0.19	0.27	0.14	0.14	0.13	0.05	0.32	0.18	0.14	0.57	0.21	0.17	0.29	0.35	0.14	0.37	0.36	0.14	0.35	0.22
1969-70 SE OF DP		0.23	0.30	0.45	0.41	0.23	0.22	0.09	0.44	0.77	0.21	0.26	0.25	0.27	0.82	0.34	0.21	0.35	0.31	0.21	0.39	0.41
SE OF CHANGE DELTA-P		0.36	0.36	0.52	0.43	0.27	0.26	0.10	0.54	0.79	0.25	0.63	0.33	0.32	0.87	0.49	0.25	0.51	0.46	0.25	0.52	0.[illegible]7

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101095-1

72-73 Report #: UP134
69-70 Report #: U617

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	05-22
69-70 Package-Exercise:	07-16
72-73 National P-val:	
UP134	77.12
69-70 National P-value:	
UP134	78.29

Timing: (in seconds)

	Stimulus:	9
	Response:	40
	I don't know:	5
	Pause:	6
UP134	Exercise total:	60

EXERCISE: 101095-1 UP134

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.30	0.06	[illegible]	0.34	0.00	0.49	0.11	0.25	0.69	0.00	0.00	0.00	0.50	0.29	0.28	0.00	0.38	0.00	0.56	0.00	1.13	0.17
1969-70 P-VALUE	0.09	0.00	0.18	0.17	0.00	0.09	0.09	0.06	0.43	0.00	0.00	0.00	0.29	0.00	[illegible]	0.53	0.00	0.00	0.00	0.00	0.00	0.14
CHANGE P-VALUE	0.21	0.06	0.63	0.17	0.00	0.40	0.02	0.19	0.26	0.00	0.00	0.00	0.21	0.29	0.22	-0.53	0.38	0.00	0.56	0.00	1.13	0.03
1972-73 SE OF P-VAL	0.15	0.06	0.57	0.19	0.00	0.30	0.08	0.18	0.33	0.00	0.00	0.00	0.37	0.21	0.15	0.00	0.39	0.00	0.41	0.00	1.10	0.18
1969-70 SE OF P-VAL	0.06	0.00	0.18	0.18	0.00	0.06	0.07	0.06	0.43	0.00	0.00	0.00	0.22	0.00	0.06	0.56	0.00	0.00	0.00	0.00	0.00	0.14
SE OF CHANGE P-VALUE	0.16	0.06	0.60	0.26	0.00	0.31	0.11	0.19	0.54	0.00	0.00	0.00	0.43	0.21	0.16	0.56	0.39	0.00	0.41	0.00	1.10	0.23
1972-73 DELTA-P		-0.24	0.51	0.04	-0.30*	0.19	-0.19	-0.05	0.39	-0.30*	-0.30*	-0.30*	0.20	-0.01	-0.02	-0.30*	0.08	-0.30*	0.26	-0.30*	0.83	-0.13
1969-70 DELTA-P		-0.09	0.09	[illegible]	-0.09	0.00	0.00	-0.03	0.34	-0.09	-0.09	-0.09	0.20	-0.09	-0.03	0.44	-0.09	-0.09	-0.09	-0.09	-0.09	0.05
CHANGE DELTA-P		-0.15	0.42	-0.04	-0.21	0.19	-0.19	-0.02	0.05	-0.21	-0.21	-0.21	0.00	0.08	0.01	-0.74	0.17	-0.21	0.35	-0.21	0.92	-0.18
1972-73 SE OF DP		0.15	0.44	0.20	0.15	0.16	0.16	0.06	0.30	0.15	[illegible]	0.15	0.26	0.15	0.12	0.15	0.41	0.15	0.39	0.15	0.98	0.18
1969-70 SE OF DP		0.06	0.15	0.14	0.06	0.00	0.00	0.04	0.39	0.06	[illegible]	0.06	0.16	0.06	0.05	0.53	0.06	0.06	0.06	0.06	0.06	0.10
SE OF CHANGE DELTA-P		0.16	0.46	0.24	0.16	0.16	0.16	0.07	0.49	0.16	0.16	0.16	0.31	0.16	0.13	0.55	0.41	0.16	0.39	0.16	0.98	0.21

RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	77.12	76.23	74.80	78.82	78.51	78.97	75.28	[illegible]	68.35	77.61	70.02	71.07	80.03	81.39	73.63	79.96	68.99	81.62	76.04	73.54	[illegible]	76.34
1969-70 P-VALUE	78.29	79.93	72.75	78.42	81.75	80.29	76.17	[illegible]	72.07	69.75	75.58	73.22	78.77	84.31	72.56	76.09	65.51	85.21	79.81	74.30	77.89	80.61
CHANGE P-VALUE	-1.17	-3.70	2.05	0.40	-3.24	-1.32	-0.89	-0.78	-3.72	7.86	-5.56	-2.15	1.26	-2.92	1.07	3.87	3.48	-3.59	-3.77	-0.76	4.67	-4.27
1972-73 SE OF P-VAL	0.97	2.10	2.28	1.78	1.61	1.55	1.48	1.05	3.17	[illegible]	4.89	5.64	2.55	1.70	1.54	[illegible]	4.01	2.64	3.61	2.95	[illegible]	1.74
1969-70 SE OF P-VAL	1.36	2.52	2.53	2.87	2.69	1.57	2.13	1.60	3.13	4.36	5.74	5.05	2.11	1.84	1.98	6.49	3.22	4.34	2.59	4.40	2.93	2.38
SE OF CHANGE P-VALUE	1.67	3.28	3.41	3.38	3.13	2.21	2.59	1.91	4.45	5.90	7.54	7.57	3.31	2.51	2.51	7.49	5.14	5.08	4.44	5.30	3.85	2.95
1972-73 DELTA-P		-0.85	-2.32	1.70	1.39	1.85	-1.84	1.71#	-8.77#	0.49	-7.10	-6.05	2.91	4.27#	-3.49#	2.84	-8.13*	4.50	-1.08	-3.58	5.44*	-0.78
1969-70 DELTA-P		1.64	5.54*	0.13	3.46	2.00	-2.12	1.32#	-6.22	-8.54	-2.71	-5.07	0.48	6.02#	-5.73#	-2.20	-12.78#	6.92	1.52	-3.99	[illegible]	2.32
CHANGE DELTA-P		[illegible]	[illegible]	1.57	-2.07	-0.15	0.28	0.39	-2.55	9.03	-4.39	-0.98	2.43	-1.75	2.24	5.04	4.65	-2.42	-2.60	0.41	5.84	-3.10
1972-73 SE OF DP		1.79	1.92	1.56	1.49	1.17	1.17	0.66	2.85	3.81	4.99	5.30	2.32	1.40	1.31	3.55	3.90	2.64	3.21	2.94	2.42	1.53
1969-70 SE OF DP		2.23	2.29	2.35	2.40	1.24	1.30	0.51	3.28	4.39	5.37	4.61	1.65	[illegible]	1.49	6.16	3.26	4.15	2.58	[illegible]	2.90	1.97
SE OF CHANGE DELTA-P		2.86	2.99	2.82	2.82	1.70	1.75	0.83	[illegible]	5.81	7.33	7.02	2.85	2.07	1.98	7.13	3.08	4.92	4.12	4.85	[illegible]	2.49

RESPONSE: 0[illegible] AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.35	2.50	5.33	3.22	2.38	2.37	4.33	2.86	5.34	4.31	3.84	5.07	1.72	2.33	4.78	3.30	4.42	2.69	4.37	3.26	3.75	[illegible]
1969-70 P-VALUE	3.83	3.14	3.72	4.55	3.86	2.68	5.05	[illegible]	4.75	5.41	2.73	2.38	3.16	2.27	6.33	5.13	3.73	2.64	4.69	4.55	3.19	[illegible]
CHANGE P-VALUE	-0.48	-0.64	1.61	-1.33	-1.48	-0.31	-0.72	[illegible]	0.59	-1.10	1.11	2.69	-1.44	0.06	-1.55	-1.83	0.69	0.05	-0.32	-1.29	0.56	[illegible]
1972-73 SE OF P-VAL	0.40	[illegible]	1.21	0.84	0.51	0.48	0.61	[illegible]	1.24	1.11	1.66	2.44	0.57	0.57	0.72	0.96	1.45	0.92	1.02	1.38	1.34	0.74
1969-70 SE OF P-VAL	0.49	0.77	1.05	1.29	0.57	0.51	0.93	0.59	1.48	1.86	1.59	1.43	0.88	0.54	1.13	2.35	0.97	1.04	0.96	2.21	1.12	0.66
SE OF CHANGE P-VALUE	0.63	0.86	1.60	1.54	0.76	0.70	1.11	0.72	1.93	2.17	2.30	2.83	1.05	0.79	[illegible]	2.54	1.74	1.39	1.40	[illegible]	1.75	0.99
1972-73 DELTA-P		-0.85	1.98*	-0.13	-0.97	-0.98#	0.98#	-0.49*	1.99	0.96	[illegible]	1.72	-1.63#	-1.02*	1.83#	-0.05	1.07	-0.66	1.02	-0.09	0.40	-0.52
1969-70 DELTA-P		-0.69	-0.11	0.72	0.03	-1.15*	1.22*	-0.22	0.92	1.58	[illegible]	-1.45	-0.67	-1.56*	2.50#	1.30	-0.10	-1.19	0.86	0.72	-0.64	-0.32
CHANGE DELTA-P		-0.16	2.09	-0.85	-1.00	0.17	-0.24	-0.27	1.87	-0.62	1.59	3.17	-0.96	0.54	-1.07	-1.35	1.17	0.53	0.16	-0.81	1.04	-0.20
1972-73 SE OF DP		0.49	0.97	0.71	0.52	0.37	0.38	0.23	1.07	[illegible]	1.62	2.30	0.60	0.48	0.52	0.94	1.39	0.95	0.94	1.33	1.21	0.59
1969-70 SE OF DP		0.71	0.94	0.99	0.66	0.55	0.58	0.22	1.50	[illegible]	1.62	1.52	0.63	0.63	0.82	2.19	1.03	1.12	0.98	1.95	1.09	0.57
SE OF CHANGE DELTA-P		0.86	1.35	1.22	0.84	0.66	0.69	0.32	1.84	2.20	[illegible]	2.76	0.87	0.79	0.97	2.38	1.73	1.47	1.36	2.36	1.63	0.82

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101098-1

72-73 Report #: UP135
69-70 Report #: U634

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	05-17
69-70 Package-Exercise:	08-03

72-73 National P-val:	
UP135	54.45
69-70 National P-value:	
UP135	63.16

Timing: (in seconds)
Stimulus: 14
Response: 36
I don't know: 5
Pause: 6
UP135 Exercise total: 61

EXERCISE: 101098-1 UP135

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.28	0.15	0.82	0.00	0.16	0.39	0.17	0.18	0.90	0.00	0.00	0.43	0.30	0.19	0.36	0.00	0.46	0.16	0.48	0.00	0.29	0.35
1969-70 P-VALUE	0.24	0.00	0.50	0.23	0.27	0.39	0.09	0.02	1.14	1.54	1.10	1.43	0.20	0.12	0.08	0.85	0.32	0.00	0.00	0.00	0.56	0.24
CHANGE P-VALUE	0.04	0.15	0.32	-0.23	-0.11	0.00	0.08	0.16	-0.24	-1.54	-1.10	-1.00	0.10	0.07	0.28	-0.85	0.14	0.16	0.48	0.00	-0.27	0.11
1972-73 SE OF P-VAL	0.13	0.11	0.51	0.00	0.16	0.26	0.06	0.09	0.45	0.00	0.00	0.43	0.30	0.18	0.17	0.00	0.46	0.15	0.35	0.00	0.19	0.36
1969-70 SE OF P-VAL	0.09	0.00	0.30	0.18	0.16	0.17	0.07	0.02	0.57	0.88	1.10	1.03	0.14	0.09	0.09	0.59	0.32	0.00	0.00	0.00	0.36	0.17
SE OF CHANGE P-VALUE	0.16	0.11	0.59	0.18	0.23	0.31	0.09	0.09	0.73	0.88	1.10	1.12	0.33	0.20	0.19	0.59	0.56	0.15	0.35	0.00	0.41	0.40
1972-73 DELTA-P		-0.13	0.54	-0.28*	-0.12	0.11	-0.11	-0.10	0.62	-0.28*	-0.28*	0.15	0.02	-0.09	0.08	-0.28*	0.18	-0.12	0.20	-0.28*	0.01	0.07
1969-70 DELTA-P		-0.24#	0.26	-0.01	0.03	0.15	-0.15	-0.22*	0.90	1.30	0.86	1.19	-0.04	-0.12	-0.16	0.61	0.08	-0.24#	-0.24#	-0.24#	0.32	0.00
CHANGE DELTA-P		0.11	0.28	-0.27	-0.15	-0.04	0.04	0.12	-0.28	-1.58	-1.14	-1.04	0.06	0.03	0.24	-0.89	0.10	0.12	0.44	-0.04	-0.31	0.07
1972-73 SE OF DP		0.15	0.39	0.13	0.17	0.13	0.13	0.06	0.33	0.13	0.13	0.47	0.19	0.08	0.17	0.13	0.44	0.18	0.35	0.13	0.24	0.24
1969-70 SE OF DP		0.09	0.25	0.15	0.15	0.09	0.09	0.09	0.51	0.83	1.06	0.97	0.14	0.10	0.11	0.55	0.32	0.09	0.09	0.09	0.32	0.12
SE OF CHANGE DELTA-P	-	0.17	0.46	0.20	0.23	0.16	0.16	0.11	0.61	0.84	1.07	1.08	0.24	0.13	0.20	0.57	0.54	0.20	0.36	0.16	0.40	0.27
RESPONSE: 04* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	54.45	54.58	53.42	53.29	56.49	62.48	46.44	57.32	42.22	50.13	51.62	54.50	55.98	61.69	47.91	57.27	38.18	59.34	46.97	61.35	66.22	52.59
1969-70 P-VALUE	63.16	66.51	55.30	63.14	66.94	71.15	55.13	67.54	36.13	55.43	46.79	54.01	61.77	73.51	55.48	53.56	44.22	75.43	63.26	70.11	62.65	62.44
CHANGE P-VALUE	-8.71#	-11.93#	-1.88	-9.85#	-10.45*	-8.67#	-8.69#	-10.22#	6.09	-5.30	4.83	0.49	-5.79	-11.82#	-7.57*	3.71	-6.04	16.09*	-16.29#	-8.76	3.57	-9.85#
1972-73 SE OF P-VAL	1.55	2.61	3.63	2.99	3.19	2.23	2.12	1.77	3.31	4.85	3.86	4.85	2.72	2.38	2.22	4.05	3.88	6.17	4.29	2.77	4.06	3.03
1969-70 SE OF P-VAL	1.54	3.07	4.42	2.37	2.77	2.06	1.98	1.41	3.57	4.81	6.35	4.44	3.02	1.85	2.63	7.47	6.71	3.41	3.84	3.41	4.17	2.30
SE OF CHANGE P-VALUE	2.18	4.03	5.72	3.82	4.22	3.04	2.90	2.26	4.87	6.83	7.43	6.58	4.06	3.01	3.44	8.50	7.75	7.05	5.76	4.39	5.82	3.80
1972-73 DELTA-P		0.13	-1.03	-1.16	2.04	8.03#	-8.01#	2.87#	-12.23#	-4.32	-2.83	0.05	1.53	7.24#	-6.54#	2.82	-16.27#	4.89	-7.48	6.90*	11.77#	-1.86
1969-70 DELTA-P		3.35	-7.86*	-0.02	3.78	7.99#	-8.03#	4.38#	-27.03#	-7.73	-16.37#	-9.15*	-1.39	10.35#	-7.68#	-9.60	-18.94#	12.27#	0.10	6.95*	-0.51	-0.72
CHANGE DELTA-P		-3.22	6.83	-1.14	-1.74	0.04	0.02	-1.51	14.80#	3.41	13.54	9.20	2.92	-3.11	1.14	12.42	2.67	-7.38	-7.58	-0.05	12.28*	-1.14
1972-73 SE OF DP		2.43	3.01	2.60	2.76	1.56	1.52	0.78	3.12	4.46	3.74	4.81	2.48	1.70	1.43	4.30	3.82	5.71	4.18	2.89	3.76	2.34
1969-70 SE OF DP		2.65	3.74	2.20	2.50	1.29	1.37	0.95	3.12	4.77	6.38	4.33	2.54	1.51	1.87	6.97	6.52	3.35	3.59	3.44	3.85	1.97
SE OF CHANGE DELTA-P		3.60	4.80	3.41	3.72	2.02	2.05	1.23	4.41	6.53	7.40	6.47	3.55	2.27	2.35	8.19	7.56	6.62	5.51	4.49	5.38	3.06
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.09	3.59	3.68	2.93	2.21	2.68	3.50	2.88	4.95	1.40	1.20	5.96	2.70	1.73	4.33	1.32	2.32	5.15	3.64	1.50	2.17	3.54
1969-70 P-VALUE	6.86	7.38	6.75	6.55	6.78	4.86	8.87	6.38	9.70	7.94	8.06	4.07	5.80	5.09	10.03	5.97	8.18	4.46	5.59	7.03	10.78	6.36
CHANGE P-VALUE	-3.77#	-3.79#	-3.07	-3.62#	-4.57#	-2.18*	-5.37#	-3.50#	-4.75	-6.54#	-6.86*	1.89	-3.10*	-3.36#	-5.70#	-4.65	-5.86*	0.69	-1.95	-5.53*	-8.61#	-2.82*
1972-73 SE OF P-VAL	0.41	0.70	1.13	0.89	0.46	0.57	0.68	0.45	1.19	0.91	0.89	2.95	0.85	0.57	0.74	0.80	0.98	1.71	1.11	0.78	0.87	0.77
1969-70 SE OF P-VAL	0.68	1.32	1.73	1.12	1.34	0.76	1.12	0.65	2.48	2.19	2.86	1.46	1.10	0.84	1.25	2.88	2.67	1.40	1.10	2.20	2.06	1.06
SE OF CHANGE P-VALUE	0.79	1.49	2.07	1.43	1.42	0.95	1.31	0.79	2.75	2.37	3.00	3.29	1.39	1.02	1.45	2.99	2.84	2.21	1.56	2.33	2.24	1.31
1972-73 DELTA-P		0.50	0.59	-0.16	-0.88	-0.41	0.41	-0.21	1.86	-1.69	-1.89	2.87	-0.39	-1.36*	1.24*	-1.77*	-0.77	2.06	0.55	-1.59	-0.92	0.45
1969-70 DELTA-P		0.52	-0.11	-0.31	-0.08	-2.00#	2.01#	-0.48	2.84	1.08	1.20	-2.79	-1.06	-1.77#	3.17#	-0.89	1.32	-2.40	-1.27	0.17	3.92*	-0.50
CHANGE DELTA-P		-0.02	0.70	0.15	-0.80	1.59	-1.60	0.27	-0.98	-2.77	-3.09	5.66	0.67	0.41	-1.93	-0.88	-2.09	4.46*	1.82	-1.76	-4.84*	0.95
1972-73 SE OF DP		0.65	0.91	0.75	0.53	0.48	0.47	0.21	1.04	0.94	0.95	2.86	0.76	0.56	0.50	0.81	0.98	1.57	1.12	0.80	0.84	0.57
1969-70 SE OF DP		1.15	1.46	1.01	1.18	0.66	0.68	0.35	2.16	2.11	2.72	1.43	0.91	0.70	0.88	2.72	2.53	1.35	1.16	2.04	1.85	0.87
SE OF CHANGE DELTA-P		1.32	1.72	1.26	1.29	0.82	0.83	0.41	2.40	2.31	2.88	3.20	1.19	0.90	1.01	2.84	2.71	2.07	1.61	2.19	2.03	1.04

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101101-12

72-73 Report #: UP136
69-70 Report #: U642, U719

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	04-27	07-18
69-70 Package-Exercise:	08-13	03-02
72-73 National P-val:		
UP136	46.04	68.54
69-70 National P-value:		
UP136	48.27	61.76

Timing: (in seconds)

	Stimulus:	13	13
	Response:	36	22
	I don't know:	5	5
	Pause:	6	6
UP136	Exercise total:	60	46

EXERCISE: 101101-12 UP136

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.27	0.44	0.44	0.21	0.00	0.43	0.12	0.15	1.04	0.00	0.00	0.00	0.00	0.25	0.51	0.09	0.37	0.24	0.71	0.00	0.00	0.20
1969-70 P-VALUE	0.10	0.22	0.11	0.00	0.06	0.05	0.15	0.07	0.38	0.00	0.00	0.00	0.11	0.05	0.18	0.00	0.32	0.54	0.00	0.00	0.16	0.00
CHANGE P-VALUE	0.17	0.22	0.33	0.21	-0.06	0.38*	-0.03	0.08	0.66	0.00	0.00	0.00	-0.11	0.20	0.33	0.09	0.05	-0.30	0.71	0.00	-0.16	0.20
1972-73 SE OF P-VAL	0.10	0.19	0.32	0.15	0.00	0.18	0.08	0.09	0.55	0.00	0.00	0.00	0.00	0.18	0.18	0.70	0.38	0.24	0.50	0.00	0.00	0.17
1969-70 SE OF P-VAL	0.07	0.23	0.11	0.00	0.09	0.05	0.12	0.07	0.27	0.00	0.00	0.00	0.12	0.05	0.18	0.00	0.32	0.53	0.00	0.00	0.18	0.00
SE OF CHANGE P-VALUE	0.12	0.30	0.34	0.15	0.09	0.19	0.14	0.11	0.61	0.00	0.00	0.00	0.12	0.19	0.25	0.70	0.50	0.58	0.50	0.00	0.18	0.17
1972-73 DELTA-P		0.17	0.17	-0.06	-0.27#	0.16	-0.15	-0.12	0.77	-0.27#	-0.27#	-0.27#	-0.27#	-0.02	0.24*	0.62	0.10	-0.03	0.44	-0.27#	-0.27#	-0.07
1969-70 DELTA-P		0.12	0.01	-0.10	-0.02	-0.05	0.05	-0.03	0.28	-0.10	-0.10	-0.10	0.01	-0.05	0.08	-0.10	0.22	0.44	-0.10	-0.10	0.06	-0.10
CHANGE DELTA-P		0.05	0.16	0.04	-0.25	0.21	-0.20	-0.09	0.49	-0.17	-0.17	-0.17	-0.28	0.03	0.16	0.72	-0.12	-0.47	0.54	-0.17	-0.33	0.03
1972-73 SE OF DP		0.17	0.25	0.14	0.10	0.10	0.09	0.08	0.48	0.10	0.10	0.10	0.10	0.13	0.11	0.65	0.37	0.25	0.47	0.10	0.10	0.14
1969-70 SE OF DP		0.17	0.11	0.07	0.09	0.07	0.07	0.03	0.25	0.07	0.07	0.07	0.11	0.07	0.13	0.07	0.31	0.47	0.07	0.07	0.16	0.07
SE OF CHANGE DELTA-P		0.24	0.27	0.16	0.13	0.12	0.11	0.09	0.54	0.12	0.12	0.12	0.15	0.15	0.17	0.65	0.48	0.53	0.48	0.12	0.19	0.16
AGE: 13																						
1972-73 P-VALUE	0.47	0.07	0.09	1.42	0.17	0.61	0.34	0.56	0.00	0.34	1.98	0.82	0.48	0.16	0.45	3.63	0.00	0.00	0.59	0.00	0.00	0.07
1969-70 P-VALUE	0.22	0.07	0.12	0.59	-0.01	0.42	0.04	0.21	0.38	-0.01	1.66	-0.01	0.44	-0.01	0.25	0.35	0.37	-0.01	0.65	-0.01	-0.01	-0.01
CHANGE P-VALUE	0.25	0.00	-0.03	0.83	0.18	0.19	0.30	0.35	-0.38	0.35	0.32	0.83	0.04	0.17	0.20	3.28	-0.37#	0.01	-0.06	0.01	0.01	0.08
1972-73 SE OF P-VAL	0.39	0.07	0.09	1.39	0.17	0.53	0.26	0.49	0.00	0.35	1.26	0.81	0.42	0.16	0.45	3.35	0.00	0.00	0.43	0.00	0.00	0.07
1969-70 SE OF P-VAL	0.13	0.01	0.13	0.43	0.00	0.27	0.05	0.16	0.21	0.00	1.25	0.00	0.39	0.00	0.26	0.40	0.09	0.00	1.00	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.41	0.07	0.16	1.45	0.17	0.59	0.26	0.52	0.21	0.35	1.77	0.81	0.57	0.16	0.52	3.37	0.09	0.00	1.09	0.00	0.00	0.07
1972-73 DELTA-P		-0.40	-0.38	0.95	-0.30	0.14	-0.13	0.09	-0.47	-0.13	1.51	0.35	0.01	-0.31	-0.02	3.16	-0.47	-0.47	0.12	-0.47	-0.47	-0.40
1969-70 DELTA-P		-0.15	-0.10	0.37	-0.23	0.20	-0.18	-0.01	0.16	-0.23	1.44	-0.23	0.22	-0.23	0.03	0.13	0.15	-0.23	1.23	-0.23	-0.23	-0.23
CHANGE DELTA-P		-0.25	-0.28	0.58	-0.07	-0.06	0.05	0.10	-0.63	0.10	0.07	0.58	-0.21	-0.08	-0.05	3.03	-0.62	-0.24	-1.11	-0.24	-0.24	-0.17
1972-73 SE OF DP		0.39	0.40	1.01	0.41	0.14	0.14	0.10	0.39	0.51	0.95	0.43	0.07	0.23	0.09	2.97	0.39	0.39	0.55	0.39	0.39	0.39
1969-70 SE OF DP		0.13	0.17	0.30	0.13	0.14	0.13	0.04	0.23	0.13	1.21	0.13	0.27	0.13	0.27	0.40	0.16	0.13	0.88	0.13	0.13	0.13
SE OF CHANGE DELTA-P		0.41	0.43	1.05	0.43	0.20	0.19	0.11	0.45	0.53	1.54	0.45	0.28	0.26	0.28	3.00	0.42	0.41	1.04	0.41	0.41	0.41
RESPONSE: 04* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	46.04	48.04	36.55	49.42	49.39	48.73	43.49	50.09	28.15	35.20	38.26	36.86	49.40	51.83	41.54	37.76	36.05	57.57	41.17	50.27	43.41	47.07
1969-70 P-VALUE	48.27	52.19	44.03	46.72	49.88	49.74	46.79	51.80	31.05	33.32	40.93	43.49	51.95	53.70	41.15	48.72	28.53	55.34	47.57	55.32	42.45	49.80
CHANGE P-VALUE	-2.23	-4.15	-7.48*	2.70	-0.49	-1.01	-3.30	-1.71	-2.90	1.88	-2.67	-6.63	-2.55	-1.87	0.39	-10.96	7.52	2.23	-6.40	-5.05	0.96	-2.73
1972-73 SE OF P-VAL	1.29	1.82	2.59	2.80	2.22	1.77	2.04	1.52	2.61	4.23	5.39	4.82	2.26	2.15	1.89	3.85	6.36	3.34	3.85	4.46	3.40	1.81
1969-70 SE OF P-VAL	1.31	2.16	2.67	2.39	3.30	1.75	1.93	1.45	3.62	5.89	4.70	4.34	2.51	2.05	2.39	9.00	4.45	3.27	3.16	4.13	3.83	1.79
SE OF CHANGE P-VALUE	1.84	2.82	3.72	3.68	3.98	2.49	2.81	2.10	4.46	7.25	7.15	6.49	3.38	2.97	3.05	9.79	7.76	4.67	4.98	6.08	5.12	2.55
1972-73 DELTA-P		2.00	-9.49#	3.38	3.35	2.69	-2.55	4.05#	-17.89#	-10.84*	-7.78	-9.18	3.36	5.79#	-4.50#	-8.68*	-9.99	11.53#	-4.87	4.23	-2.63	1.03
1969-70 DELTA-P		3.92	-4.24	-1.55	1.61	1.47	-1.48	3.53#	-17.22#	-14.95#	-7.34	-4.78	3.68	5.43#	-7.12#	0.05	-19.74#	7.07*	-0.70	7.05	-5.82	1.53
CHANGE DELTA-P		-1.92	-5.25	4.93	1.74	1.22	-1.07	0.52	-0.67	4.11	-0.44	-4.40	-0.32	0.36	2.62	-8.73	9.75	4.46	-4.17	-2.82	3.19	-0.50
1972-73 SE OF DP		1.82	2.21	2.20	2.08	1.47	1.37	0.71	2.67	4.42	5.13	4.98	1.95	1.67	1.35	3.71	6.27	3.33	3.62	4.02	3.21	1.70
1969-70 SE OF DP		1.97	2.45	2.05	2.73	1.29	1.29	0.72	3.77	5.90	4.45	4.23	2.16	1.65	1.97	8.62	4.50	3.15	3.00	3.83	3.50	1.74
SE OF CHANGE DELTA-P		2.68	3.30	3.01	3.43	1.96	1.88	1.01	4.62	7.37	6.79	6.53	2.91	2.35	2.39	9.38	7.72	4.58	4.70	5.55	4.75	2.43

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101101-12 UP136

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	68.54	72.26	62.03	69.23	69.94	66.89	70.16	72.72	49.40	57.54	56.47	58.65	66.98	77.42	57.87	66.50	49.92	83.29	58.70	73.10	71.77	67.57
1969-70 P-VALUE	61.76	67.80	53.70	62.57	61.22	62.28	61.25	64.94	42.63	58.39	50.62	49.87	61.57	65.06	62.12	49.20	44.19	75.95	58.82	64.18	55.66	64.39
CHANGE P-VALUE	6.78#	4.46	8.33#	6.66	8.72*	4.61	8.91#	7.78#	6.77	-0.85	5.85	8.78	5.41	12.36#	-4.25	17.30*	5.73	7.34*	-0.12	8.92	16.11#	3.18
1972-73 SE OF P-VAL	1.51	4.41	2.24	2.59	2.27	1.95	1.67	1.68	3.48	3.74	3.97	3.76	1.90	1.92	2.93	5.88	5.14	2.61	3.69	2.76	3.44	3.37
1969-70 SE OF P-VAL	1.51	2.57	2.21	3.35	3.16	2.11	1.82	1.61	4.30	4.67	7.36	3.79	2.15	1.84	4.23	4.48	5.18	2.35	3.28	5.49	3.39	2.11
SE OF CHANGE P-VALUE	2.14	5.10	3.15	4.23	3.89	2.87	2.47	2.33	5.53	5.98	8.36	5.34	2.87	2.66	5.15	7.39	7.30	3.51	4.94	6.14	4.83	3.98
1972-73 DELTA-P		3.72	-6.51#	0.69	1.40	-1.65	1.62	4.18#	-19.14#	-11.00#	-12.07#	-9.89#	-1.56	8.88#	-10.67#	-2.04	-18.62#	14.75#	-9.84#	4.56	3.23	-0.97
1969-70 DELTA-P		6.04#	-8.06#	0.81	-0.54	0.52	-0.51	3.18#	-19.13#	-3.37	-11.14	-11.89#	-0.19	3.30#	0.36	-12.56#	-17.57#	14.19#	-2.94	2.42	-6.10	2.63
CHANGE DELTA-P		-2.32	1.55	-0.12	1.94	-2.17	2.13	1.00	-0.01	-7.63	-0.93	2.00	-1.37	5.58#	-11.03*	10.52	-1.05	0.56	-6.90	2.14	9.33*	-3.60
1972-73 SE OF DP		3.49	2.27	2.30	2.20	1.03	1.01	0.79	3.36	4.08	[illegible]	3.23	1.54	1.25	2.50	5.48	4.96	2.87	3.85	2.87	3.30	2.66
1969-70 SE OF DP		2.33	2.27	2.56	2.76	1.31	1.19	0.76	4.15	4.43	7.09	3.47	1.52	1.22	3.93	4.37	5.09	2.40	3.18	4.90	3.09	1.91
SE OF CHANGE DELTA-P		4.20	3.21	3.44	3.53	1.67	1.56	1.10	5.34	6.02	8.05	4.74	2.16	1.75	4.66	7.01	7.11	3.74	4.99	5.68	4.52	3.27
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	5.07	5.28	6.90	3.79	4.60	4.39	5.72	4.45	6.76	9.24	9.14	3.85	2.99	4.02	6.69	4.93	6.95	5.42	5.20	2.06	5.20	5.70
1969-70 P-VALUE	7.42	8.52	6.53	7.58	6.88	6.60	8.24	7.20	9.54	6.31	6.61	4.65	7.28	5.49	10.45	6.72	8.07	9.25	8.38	4.80	9.10	6.72
CHANGE P-VALUE	-2.35#	-3.24	0.37	-3.79*	-2.28	-2.21	-2.52	-2.75#	-2.78	2.93	2.53	-0.80	-4.29#	-1.47	-3.76*	-1.79	-1.12	-3.83	-3.18	-2.74	-3.90	-1.02
1972-73 SE OF P-VAL	0.52	1.01	1.33	0.76	0.97	0.59	0.84	0.51	1.42	1.89	3.20	1.62	0.89	0.87	0.95	1.74	1.91	1.68	0.80	0.92	1.65	0.82
1969-70 SE OF P-VAL	0.76	1.87	1.50	1.43	1.10	1.17	1.00	0.86	2.00	1.47	3.12	1.70	1.35	0.78	1.57	2.71	1.70	1.45	1.92	1.42	1.94	1.54
SE OF CHANGE P-VALUE	0.92	2.13	2.00	1.62	1.47	1.31	1.31	1.00	2.45	2.39	4.47	2.35	1.62	1.17	1.84	3.22	2.56	2.22	2.08	1.69	2.55	1.74
1972-73 DELTA-P		0.21	1.83	[illegible]	-0.47	-0.68	0.65	-0.62#	1.69	4.17*	4.07	-1.22	-2.08*	-1.05	1.62#	-0.14	1.88	0.35	0.13	-3.01#	0.13	0.63
1969-70 DELTA-P		1.10	-0.89	[illegible]	-0.54	-0.82	0.82	-0.22	2.12	-1.11	-0.81	-2.77	-0.14	-1.93#	3.03#	-0.70	0.65	1.83	0.96	-2.62	1.68	-0.70
CHANGE DELTA-P		-0.89	2.72	-1.44	0.07	0.14	-0.17	-0.40	-0.43	5.28*	4.88	1.55	-1.94	0.88	-1.41	0.56	1.23	-1.48	-0.83	-0.39	-1.55	1.33
1972-73 SE OF DP		0.90	1.08	0.70	0.88	0.53	0.50	0.22	1.19	1.90	3.16	1.60	0.93	0.73	0.62	1.66	1.78	1.60	0.86	0.96	1.47	0.63
1969-70 SE OF DP		1.51	1.35	1.21	1.10	0.78	0.78	0.32	1.87	1.57	3.02	1.77	1.12	0.74	1.09	2.52	1.76	1.51	1.80	1.45	1.84	1.10
SE OF CHANGE DELTA-P		1.76	1.73	1.40	1.41	0.94	0.93	0.39	2.22	2.46	4.37	2.39	1.46	1.04	1.25	3.02	2.50	2.20	1.99	1.74	2.36	1.27
AGE: 13																						
1972-73 P-VALUE	3.30	2.52	3.67	3.56	3.49	3.90	2.71	3.06	3.63	5.97	4.66	3.71	2.45	2.80	5.71	3.66	5.05	3.23	4.10	3.03	3.29	2.65
1969-70 P-VALUE	2.48	1.94	2.44	2.94	2.51	3.59	1.33	2.61	1.18	3.58	1.21	7.39	1.65	1.95	3.49	4.00	1.86	3.68	0.93	0.78	2.65	2.91
CHANGE P-VALUE	0.82	0.58	1.23	0.62	0.98	0.31	1.38*	0.45	2.45*	2.39	3.45	-3.68	0.80	0.85	2.22	-0.34	3.19	-0.45	3.17#	2.25*	0.64	-0.26
1972-73 SE OF P-VAL	0.42	0.62	0.82	0.84	0.99	0.63	0.50	0.45	1.05	1.77	1.45	1.36	0.64	0.57	1.36	1.62	1.91	0.84	0.99	0.86	0.71	0.75
1969-70 SE OF P-VAL	0.43	0.65	0.90	1.00	0.79	0.81	0.38	0.52	0.62	1.40	1.28	3.07	0.61	0.53	1.04	1.96	0.95	1.18	0.49	0.62	0.86	0.94
SE OF CHANGE P-VALUE	0.60	0.90	1.22	1.31	1.27	1.03	0.63	0.69	1.22	2.26	1.93	3.36	0.88	0.78	1.71	2.54	2.13	1.45	1.10	1.06	1.12	1.20
1972-73 DELTA-P		-0.78	0.37	0.26	0.19	0.60	-0.59	-0.24	0.33	2.67	1.36	0.41	-0.85	-0.50	2.41*	0.36	1.75	-0.07	0.80	-0.27	-0.01	-0.65
1969-70 DELTA-P		-0.54	-0.04	0.46	0.03	1.11*	-1.15#	0.13	-1.30	1.10	-1.27	4.91	-0.83	-0.53	1.01	1.52	-0.62	1.20	-1.55#	-1.70*	0.17	0.43
CHANGE DELTA-P		-0.24	0.41	-0.20	0.16	-0.51	0.56	-0.37	1.63	1.57	2.63	-4.50	-0.02	0.03	1.40	-1.16	2.37	-1.27	2.35*	1.43	-0.18	-1.08
1972-73 SE OF DP		0.59	0.74	0.70	0.83	0.39	0.38	0.20	0.98	1.66	1.42	1.24	0.51	0.48	1.20	1.49	1.80	0.82	0.95	0.79	0.67	0.61
1969-70 SE OF DP		0.63	0.82	0.76	0.74	0.51	0.43	0.15	0.69	1.38	1.34	2.81	0.60	0.47	0.97	1.86	0.98	1.08	0.61	0.68	0.84	0.70
SE OF CHANGE DELTA-P		0.86	1.10	1.03	1.11	0.64	0.57	0.25	1.20	2.16	1.95	3.07	0.79	0.67	1.54	2.38	2.05	1.36	1.13	1.04	1.07	0.93

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101104-24

72-73 Report #: UB137
69-70 Report #: U741

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	Adult
72-73 Package-Exercise:	08-29	02-04
69-70 Package-Exercise:	02-04	
72-73 National P-val:		
UB137	37.47	55.60
69-70 National P-value:		
UB137	34.57	
Timing: (in seconds)		
Stimulus:	11	12
Response:	9	*
I don't know:	5	*
Pause:	6	*
UB137 Exercise total:	31	*

*Time not limited by paced tape.

EXERCISE: 101104-24 UB137

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METR	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.23	0.08	0.11	0.11	4.62	0.97	1.50	0.81	0.71	6.60	2.69	0.31	1.48	0.72	1.99	0.26	13.53	0.00	0.00	0.00	0.28	0.49
1969-70 P-VALUE	0.35	0.23	0.99	0.20	0.12	0.51	0.21	0.37	-0.01	0.66	0.36	0.64	0.09	0.43	0.43	-0.01	0.85	0.50	0.44	-0.01	0.67	0.18
CHANGE P-VALUE	0.88	-0.15	-0.88	-0.09	4.50	0.46	1.29	0.44	0.72	5.94	2.33	-0.33	1.39	0.29	1.56	0.27	12.68	-0.50	-0.44	0.01	-0.39	0.31
1972-73 SE OF P-VAL	0.98	0.07	0.10	0.11	3.90	0.88	1.09	0.57	0.73	5.60	2.64	0.31	1.28	0.65	1.16	0.24	12.20	0.00	0.00	0.00	0.20	0.29
1969-70 SE OF P-VAL	0.16	0.17	0.68	0.21	0.12	0.31	0.14	0.20	0.00	0.52	0.38	0.64	0.09	0.29	0.43	0.00	0.80	0.36	0.35	0.00	0.66	0.19
SE OF CHANGE P-VALUE	0.99	0.18	0.69	0.24	3.90	0.93	1.10	0.60	0.73	5.62	2.67	0.71	1.28	0.71	1.24	0.24	12.23	0.36	0.35	0.00	0.69	0.35
1972-73 DELTA-P		-1.15	-1.12	-1.12	3.39	-0.26	0.27	-0.42	-0.52	5.37	1.46	-0.92	0.25	-0.51	0.76*	-0.97	12.30	-1.23	-1.23	-1.23	-0.95	-0.74
1969-70 DELTA-P		-0.12	0.64	-0.15	-0.23	0.16	-0.14	0.02	-0.36*	0.31	0.01	0.29	-0.26	0.08	0.08	-0.36*	0.50	0.15	0.09	-0.36*	0.32	-0.17
CHANGE DELTA-P		-1.03	-1.76	-0.97	3.62	-0.42	0.41	-0.44	-0.16	5.06	1.45	-1.21	0.51	-0.59	0.68	-0.61	11.80	-1.38	-1.32	-0.87	-1.27	-0.57
1972-73 SE OF DP		0.98	0.98	0.98	2.92	0.14	0.15	0.42	0.28	4.64	1.68	1.02	0.33	0.35	0.33	1.00	11.25	0.98	0.98	0.98	0.99	1.00
1969-70 SE OF DP		0.20	0.54	0.21	0.19	0.18	0.16	0.05	0.16	0.51	0.39	0.59	0.17	0.16	0.43	0.10	0.76	0.36	0.35	0.16	0.54	0.20
SE OF CHANGE DELTA-P		1.00	1.12	1.00	2.93	0.23	0.22	0.42	0.32	4.67	1.72	1.18	0.37	0.38	0.54	1.01	11.28	1.04	1.04	0.99	1.13	1.02

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METR	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.90	1.56	1.14	0.84	0.15	0.91	0.89	1.04	0.26	0.00	0.65	0.76	1.05	1.17	0.00	1.05	0.00	1.13	2.18	2.86	0.00	0.40
1972-73 SE OF P-VAL	0.27	0.49	0.96	0.44	0.15	0.50	0.31	0.33	0.26	0.00	0.34	0.45	0.73	0.44	0.00	0.74	0.00	0.80	1.27	1.78	0.00	0.24
1972-73 DELTA-P		0.66	0.24	-0.06	-0.75#	0.01	-0.01	0.14*	-0.64	-0.90#	-0.25	-0.14	0.15	0.27	-0.90#	0.15	-0.90#	0.23	1.28	1.96	-0.90#	-0.50
1972-73 SE OF DP		0.44	0.78	0.40	0.29	0.33	0.30	0.07	0.43	0.27	0.37	0.47	0.53	0.42	0.27	0.70	0.27	0.79	1.18	1.58	0.27	0.31

RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METR	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	37.47	41.09	34.91	37.62	36.47	40.17	34.73	37.22	38.97	37.64	41.07	38.47	33.73	38.68	38.94	39.14	37.89	30.51	33.50	39.70	40.46	37.86
1969-70 P-VALUE	34.57	42.00	31.36	31.41	33.05	37.56	31.87	34.40	35.83	34.43	41.31	34.67	33.33	34.84	33.96	36.32	38.17	27.33	34.64	36.55	37.14	33.68
CHANGE P-VALUE	2.90	-0.91	3.55	6.21	3.42	2.61	2.86	2.82	3.14	3.21	-0.24	3.80	0.40	3.84	4.98	2.82	-0.28	3.18	-1.14	3.15	3.32	4.18
1972-73 SE OF P-VAL	1.60	3.13	3.04	3.00	3.50	1.82	1.97	1.68	2.98	4.64	3.86	4.87	2.44	1.94	2.29	2.50	6.95	3.44	2.35	4.07	3.67	3.05
1969-70 SE OF P-VAL	1.35	2.70	2.61	2.19	2.71	2.15	1.59	1.50	3.19	4.10	6.60	3.92	2.07	2.10	3.56	4.31	4.88	3.06	1.84	3.05	3.87	2.93
SE OF CHANGE P-VALUE	2.09	4.13	4.01	3.71	4.43	2.82	2.53	2.25	4.30	6.19	7.65	6.25	3.20	2.86	4.23	4.98	8.49	4.60	2.98	5.09	5.33	4.23
1972-73 DELTA-P		3.62	-2.56	0.15	-1.00	2.70#	-2.74#	-0.25	1.50	0.17	3.60	1.00	-3.74*	1.21	1.47	1.67	0.42	-6.96	-3.97	2.23	2.99	0.39
1969-70 DELTA-P		7.43#	-3.21	-3.16	-1.52	2.99*	-2.70*	-0.17	1.26	-0.14	6.74	0.10	-1.24	0.27	-0.61	1.75	3.60	-7.24*	0.07	1.98	2.57	-0.89
CHANGE DELTA-P		-3.81	0.65	3.31	0.52	-0.29	-0.04	-0.08	0.24	0.31	-3.14	0.90	-2.50	0.94	2.08	-0.08	-3.18	0.28	-4.04	0.25	0.42	1.28
1972-73 SE OF DP		2.76	2.69	2.61	2.94	1.04	1.07	0.59	2.45	4.24	3.34	4.14	1.72	1.20	2.34	2.27	6.44	3.51	2.63	3.70	3.28	2.34
1969-70 SE OF DP		2.19	2.42	1.94	2.36	1.38	1.23	0.52	3.02	3.89	6.28	3.89	1.77	1.38	3.48	4.35	4.84	3.07	2.14	3.01	3.46	2.23
SE OF CHANGE DELTA-P		3.52	3.62	3.25	3.77	1.73	1.63	0.79	3.89	5.75	7.11	5.68	2.47	1.83	4.19	4.91	8.06	4.66	3.39	4.77	4.77	3.23

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METR	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	55.60	55.12	52.61	56.26	57.76	63.39	48.36	55.78	53.14	57.41	50.51	52.60	52.78	65.47	61.54	50.18	52.99	61.52	55.12	54.94	61.53	53.87
1972-73 SE OF P-VAL	1.31	3.14	2.54	2.32	2.44	1.68	1.94	1.55	5.41	5.68	2.28	2.83	2.61	2.64	7.35	3.30	4.46	4.00	4.11	4.18	3.50	2.09
1972-73 DELTA-P		-0.48	-2.99	0.66	2.16	7.79#	-7.20#	0.18	-2.46	1.81	-5.09#	-3.00	-2.82	9.87#	5.94	-5.42	-2.61	5.92	-0.48	-0.66	5.93	-1.73
1972-73 SE OF DP		2.62	2.32	1.99	2.14	1.29	1.23	0.73	5.28	5.66	2.01	2.74	2.12	2.20	7.25	3.09	4.32	3.51	4.03	3.95	3.39	1.64

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METR	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	11.37	11.39	10.47	12.76	10.78	11.11	11.64	10.94	12.35	14.35	13.25	12.20	12.02	8.43	16.71	9.82	13.12	17.15	11.70	12.95	9.86	9.37
1969-70 P-VALUE	9.46	9.87	6.03	9.84	11.46	9.14	9.89	9.15	6.54	17.63	10.42	4.08	10.79	8.53	16.48	14.81	7.67	9.16	12.11	6.92	10.37	8.21
CHANGE P-VALUE	1.91	1.52	4.44#	2.92	-0.68	1.97	1.75	1.79	5.81*	-3.28	2.83	8.12#	1.23	-0.10	0.23	-4.99	5.45	7.99*	-0.41	6.03	-0.51	1.16
1972-73 SE OF P-VAL	0.74	1.94	1.13	1.04	1.70	1.14	0.97	0.90	2.10	2.54	2.84	2.49	1.33	1.00	1.78	1.35	2.42	2.37	1.70	2.87	1.42	1.67
1969-70 SE OF P-VAL	0.92	1.47	1.06	2.57	1.36	1.42	1.13	0.88	1.17	6.82	4.33	1.38	1.63	1.32	4.01	8.32	2.21	3.21	2.26	1.05	1.82	1.23
SE OF CHANGE P-VALUE	1.18	2.43	1.55	2.77	2.18	1.82	1.49	1.26	2.40	7.28	5.18	2.85	2.10	1.66	4.39	8.43	3.28	3.99	2.83	3.06	2.31	2.07
1972-73 DELTA-P		0.02	-0.90	1.39	-0.59	-0.26	0.27	-0.43	0.98	2.98	1.88	0.83	0.65	-2.94#	5.34#	-1.55	1.75	5.78#	0.33	1.58	-1.51	-2.00
1969-70 DELTA-P		0.41	-3.43#	0.38	2.00	-0.32	0.43	-0.31	-2.92	8.17	0.96	-5.38#	1.33	-0.93	7.02	5.35	-1.79	-0.30	2.65	-2.54	0.91	-1.25
CHANGE DELTA-P		-0.39	2.53	1.01	-2.59	0.06	-0.16	-0.12	3.90	-5.19	0.92	6.21*	-0.68	-2.01	-1.68	-6.90	3.54	6.08	-2.32	4.12	-2.42	-0.75
1972-73 SE OF DP		1.60	1.10	1.02	1.41	0.75	0.76	0.40	2.03	2.53	2.67	2.30	1.15	0.78	1.59	1.61	2.37	2.26	1.77	2.60	1.39	1.33
1969-70 SE OF DP		1.38	1.26	1.91	1.35	0.91	0.83	0.65	1.47	6.26	4.43	1.57	1.18	0.87	3.88	7.75	2.39	2.96	2.27	1.31	1.71	1.21
SE OF CHANGE DELTA-P		2.11	1.67	2.17	1.95	1.18	1.13	0.76	2.51	6.75	5.17	2.78	1.65	1.17	4.19	7.92	3.37	3.72	2.88	2.91	2.20	1.80

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101104-2A UB137

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 09 AGE: A4 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.11	8.44	9.50	8.52	6.22	5.62	10.42	7.56	10.93	11.14	10.64	10.39	6.04	5.97	13.59	10.11	11.95	6.36	9.03	5.95	6.49	8.43
1972-73 SE OF P-VAL	0.59	1.42	1.13	0.81	1.39	0.76	0.95	0.58	3.25	3.00	1.38	1.98	1.01	1.00	4.68	2.61	3.18	2.21	3.26	2.54	1.51	0.91
1972-73 DELTA-P		0.33	1.39	0.41	-1.09	-2.49#	2.31#	-0.55	2.02	3.03	2.53*	2.28	-2.03*	-2.14*	5.48	2.00	3.84	-1.75	0.92	-2.56	-1.62	0.32
1972-73 SE OF DP		1.18	1.05	0.80	1.13	0.65	0.61	0.39	3.02	2.88	1.26	1.7[illegible]	0.93	1.01	4.47	2.50	2.98	2.10	3.05	2.46	1.64	0.89

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101107-2

72-73 Report #: UB138
69-70 Report #: U724

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	05-21
69-70 Package-Exercise:	03-17
72-73 National P-val:	
UB138	55.53
69-70 National P-value:	
UB138	58.55

Timing: (in seconds)		
	Stimulus:	13
	Response:	22
	I don't know:	5
	Pause:	6
UB138	Exercise total:	46

EXERCISE: 101107-2 UB138

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.55	0.18	0.00	0.08	5.91	1.94	1.16	1.69	0.44	1.89	0.96	0.30	1.65	1.95	1.14	0.00	0.00	0.14	4.35	0.16	5.11	1.11
1969-70 P-VALUE	0.02	0.06	-0.01	-0.01	0.04	0.05	-0.01	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	0.05	-0.01	-0.01	-0.01	-0.01	0.14	-0.01	0.06	-0.01
CHANGE P-VALUE	1.53	0.12	0.01	0.09	5.87	1.89	1.17	1.66	0.45	1.90	0.97	0.31	1.66	1.90	1.15	0.01	0.01	0.15	4.21	0.17	5.05	1.12
1972-73 SE OF P-VAL	1.06	0.13	0.00	0.08	4.23	1.33	0.83	1.18	0.31	1.38	0.96	0.30	1.14	1.55	0.68	0.00	0.00	0.13	4.10	0.16	4.93	1.11
1969-70 SE OF P-VAL	0.02	0.07	0.00	0.00	0.04	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.15	0.00	0.06	0.00
SE OF CHANGE P-VALUE	1.06	0.15	0.00	0.08	4.23	1.33	0.83	1.18	0.31	1.38	0.96	0.30	1.14	1.55	0.68	0.00	0.00	0.13	4.10	0.16	4.93	1.11
1972-73 DELTA-P		-1.37	-1.55	-1.47	4.36	0.39	-0.39	0.14	-1.11	0.34	-0.59	-1.25	[illegible]	0.40	-0.41	-1.55	[illegible]	-1.41	2.80	-1.39	3.56	-0.44
1969-70 DELTA-P		0.04	-0.03	-0.03	0.02	0.03	-0.03	0.01	-0.03	-0.03	-0.03	-0.03	0.03	0.03	-0.03	-0.03	[illegible]	-0.03	0.12	-0.03	0.04	-0.03
CHANGE DELTA-P		-1.41	-1.52	-1.44	4.34	0.36	-0.36	0.13	-1.08	0.37	-0.56	-1.22	0.13	0.37	-0.38	-1.52	-1.52	[illegible]	2.68	-1.36	3.52	-0.41
1972-73 SE OF DP		1.06	1.06	1.06	3.18	0.33	0.33	0.13	0.95	0.46	0.88	0.90	0.38	0.68	0.63	1.06	1.06	1.06	3.36	1.06	4.36	0.70
1969-70 SE OF DP		0.05	0.02	0.02	0.04	0.02	0.02	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.13	0.02	0.06	0.02
SE OF CHANGE DELTA-P		1.06	1.06	1.06	3.18	0.33	0.33	0.13	0.95	0.46	0.88	0.90	0.38	0.68	0.63	1.06	1.06	1.06	3.36	1.06	4.36	[illegible]

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	55.53	61.67	46.48	59.90	52.34	54.84	56.22	60.42	32.57	34.84	36.34	41.93	54.64	67.22	38.66	[illegible]	36.60	70.64	54.64	52.82	58.67	56.26
1969-70 P-VALUE	58.55	62.94	46.14	60.44	62.61	58.76	58.34	63.63	34.23	38.81	34.22	41.13	56.03	67.63	49.05	[illegible]	36.97	78.13	54.44	58.72	60.21	58.77
CHANGE P-VALUE	-3.02	-1.27	0.34	-0.54	-10.27*	-3.92	-2.12	-3.21	-1.66	-3.97	2.12	0.80	-1.39	-0.41	-10.39*	[illegible]	-0.37	-7.49	0.20	[illegible]	-1.54	-2.51
1972-73 SE OF P-VAL	1.85	2.43	3.74	4.44	3.20	2.51	1.63	1.99	2.62	4.13	3.61	3.75	2.50	2.19	3.04	8.35	[illegible]	3.75	5.34	[illegible]	5.48	2.98
1969-70 SE OF P-VAL	1.74	3.37	2.79	3.73	3.28	2.23	2.12	1.93	2.84	5.21	7.45	5.72	2.87	2.31	3.72	3.28	6.93	4.20	4.55	[illegible]	4.45	2.90
SE OF CHANGE P-VALUE	2.54	4.15	4.67	5.80	4.58	3.36	2.67	2.77	3.86	6.65	8.28	6.84	3.81	3.18	4.80	8.97	9.31	5.63	7.02	[illegible]	7.06	4.16
1972-73 DELTA-P		6.14*	-9.05#	4.37	-3.19	-0.69	0.69	4.89#	-22.96#	-20.69#	-19.19#	-13.69#	-0.89	11.69#	-16.87#	-3.57	-18.93#	15.11#	-0.89	-2.71	3.14	0.73
1969-70 DELTA-P		4.39	-12.41#	1.89	4.06	0.21	-0.21	5.08#	-24.32#	-19.74#	-20.33#	-17.42#	-2.52	9.08#	-9.50#	-15.77#	-21.58#	19.58#	-4.11	0.17	1.66	0.22
CHANGE DELTA-P		1.75	3.36	2.48	-7.25	-0.90	0.90	-0.19	1.36	-0.95	1.14	3.82	1.63	2.61	-7.37	12.20	2.65	-4.47	3.22	-2.88	1.48	0.51
1972-73 SE OF DP		2.51	3.45	3.34	2.94	1.03	1.04	0.77	2.79	4.09	3.41	3.69	1.72	1.47	2.33	7.76	6.31	3.69	5.03	3.56	4.88	2.57
1969-70 SE OF DP		2.89	2.78	2.89	2.98	1.34	1.24	0.82	3.23	5.01	7.70	5.53	2.41	1.32	3.59	3.41	6.74	3.68	4.56	3.69	4.13	2.40
SE OF CHANGE DELTA-P		3.83	4.43	4.42	4.19	1.69	1.62	1.12	4.27	6.47	8.42	6.65	2.96	1.98	4.28	8.48	9.23	5.21	6.79	5.13	6.39	3.52

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.70	7.94	10.30	8.08	8.79	8.73	8.67	7.57	14.38	12.62	17.35	16.35	7.42	5.02	14.36	8.79	10.85	5.44	11.56	9.11	6.09	9.13
1969-70 P-VALUE	9.73	9.76	10.06	9.03	10.35	7.71	11.48	9.22	11.53	13.21	15.51	14.62	10.49	6.97	13.69	14.06	12.23	5.74	10.66	8.80	11.25	9.26
CHANGE P-VALUE	-1.03	-1.82	0.24	-0.95	-1.56	1.02	-2.81	-1.65	2.85	-0.59	1.84	1.73	-3.07	-1.95	0.67	-5.27	-1.38	-0.30	0.90	0.31	-5.16	-0.13
1972-73 SE OF P-VAL	0.80	1.57	1.34	1.77	1.43	1.14	0.98	0.90	2.07	2.56	3.29	3.45	1.17	0.88	2.11	2.08	2.43	1.97	2.29	2.26	1.72	1.49
1969-70 SE OF P-VAL	0.84	1.61	1.51	1.85	1.43	0.88	1.38	0.96	1.92	3.22	4.98	3.10	1.46	0.97	2.84	2.48	2.41	1.29	3.33	2.05	2.46	1.60
SE OF CHANGE P-VALUE	1.16	2.25	2.02	2.56	2.02	1.44	1.69	1.32	2.82	4.11	5.97	4.64	1.87	1.31	3.54	3.24	3.42	2.35	4.04	3.05	3.00	2.19
1972-73 DELTA-P		-0.76	1.60	-0.62	0.09	0.03	-0.03	-1.13#	5.68#	3.92	8.65#	7.65*	-1.28	-3.68#	5.66#	0.09	2.15	-3.26	2.86	0.41	-2.61	0.43
1969-70 DELTA-P		0.03	0.33	-0.70	0.62	-2.82*	1.75*	-0.51	1.80	3.48	5.78	4.89	0.76	-2.76#	3.96	4.33	2.50	-3.99#	0.93	-0.93	1.52	-0.47
CHANGE DELTA-P		-0.79	1.27	0.08	-0.53	2.05	-1.78	-0.62	3.88	0.44	2.87	2.76	-2.04	-0.92	1.70	-4.24	-0.35	0.73	1.93	1.34	-4.13	0.90
1972-73 SE OF DP		1.39	1.29	1.37	1.29	0.70	0.70	0.37	1.95	2.59	3.31	3.27	0.96	0.63	1.87	1.88	2.58	1.89	2.06	2.02	1.70	1.12
1969-70 SE OF DP		1.40	1.42	1.41	1.33	0.85	0.77	0.35	1.94	3.01	4.73	2.91	1.12	0.85	2.68	2.43	2.50	1.40	3.04	1.99	2.23	1.25
SE OF CHANGE DELTA-P.		1.97	1.92	1.97	1.85	1.10	1.04	0.51	2.75	3.97	5.77	4.38	1.48	1.06	3.27	3.07	3.59	2.35	3.67	2.84	2.80	1.68

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101112-23

72-73 Report #: 0B139
69-70 Report #: 0729, 0818

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	06-14	05-07
69-70 Package-Exercise:	05-07	04-03
72-73 National P-val: 0B139	51.81	66.45
69-70 National P-value: 0B139	51.69	62.29
Timing: (in seconds)		
Stimulus:	11	10
Response:	8	25
I don't know:	5	5
Pause:	6	5
0B139 Exercise total:	30	45

EXERCISE: 101112-23 UB139

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.10	0.16	0.00	0.00	0.24	0.17	0.03	0.07	0.11	0.43	0.25	0.16	0.00	0.11	0.17	0.00	0.77	0.00	0.45	0.00	0.00	0.00
1969-70 P-VALUE	0.16	0.00	0.78	0.00	0.00	0.00	0.31	0.00	1.12	0.00	0.00	0.35	0.00	0.00	1.27	0.41	0.00	0.00	0.00	0.00	0.00	0.34
CHANGE P-VALUE	-0.06	0.16	-0.78	0.00	0.24	0.17	-0.28	0.07	-1.01	0.43	0.25	-0.19	0.00	0.11	-1.10	-0.41	0.77	0.00	0.45	0.00	0.00	-0.34
1972-73 SE OF P-VAL	0.05	0.15	0.00	0.00	0.16	0.12	0.03	0.06	0.11	0.28	0.25	0.15	0.00	0.11	0.16	0.00	0.51	0.00	0.42	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.12	0.00	0.59	0.00	0.00	0.00	0.25	0.00	0.83	0.00	0.00	0.35	0.00	0.00	1.25	0.40	0.00	0.00	0.00	0.00	0.00	0.34
SE OF CHANGE P-VALUE	0.13	0.15	0.59	0.00	0.16	0.12	0.25	0.06	0.84	0.28	0.25	0.38	0.00	0.11	1.26	0.40	0.51	0.00	0.42	0.00	0.00	0.34
1972-73 DELTA-P		0.06	-0.10	-0.10	0.14	0.07	-0.07	-0.03	0.01	0.33	0.15	0.06	-0.10	0.01	0.07	-0.10	0.67	-0.10	0.35	-0.10	-0.10	-0.10
1969-70 DELTA-P		-0.16	0.62	-0.16	-0.16	-0.16	0.15	-0.16	0.96	-0.16	-0.16	0.19	-0.16	-0.16	1.11	0.25	-0.16	-0.16	-0.16	-0.16	-0.16	0.18
CHANGE DELTA-P		0.22	-0.72	0.06	0.30	0.23	-0.22	0.13	-0.95	0.49	0.31	-0.13	0.06	0.17	-1.04	-0.35	0.83	0.06	0.51	0.06	0.06	-0.28
1972-73 SE OF DP		0.12	0.05	0.05	0.13	0.07	0.06	0.03	0.09	0.27	0.26	0.12	0.05	0.08	0.13	0.05	0.47	0.05	0.39	0.05	0.05	0.05
1969-70 SE OF DP		0.13	0.47	0.13	0.13	0.13	0.12	0.13	0.71	0.13	0.13	0.35	0.13	0.13	1.13	0.39	0.13	0.13	0.13	0.13	0.13	0.21
SE OF CHANGE DELTA-P		0.18	0.47	0.14	0.18	0.15	0.13	0.13	0.72	0.30	0.29	0.37	0.14	0.15	1.14	0.39	0.49	0.14	0.41	0.14	0.14	0.22
AGE: 17																						
1972-73 P-VALUE	0.13	0.14	0.20	0.19	0.00	0.05	0.20	0.05	0.30	0.95	0.00	0.00	0.00	0.18	0.75	0.00	0.41	0.00	0.37	0.00	0.51	0.00
1969-70 P-VALUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANGE P-VALUE	0.13	0.14	0.20	0.19	0.00	0.05	0.20	0.05	0.30	0.95	0.00	0.00	0.00	0.18	0.75	0.00	0.41	0.00	0.37	0.00	0.51	0.00
1972-73 SE OF P-VAL	0.07	0.14	0.15	0.19	0.00	0.06	0.13	0.04	0.30	0.99	0.00	0.00	0.00	0.14	0.58	0.00	0.41	0.00	0.37	0.00	0.40	0.00
1969-70 SE OF P-VAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.07	0.14	0.15	0.19	0.00	0.06	0.13	0.04	0.30	0.99	0.00	0.00	0.00	0.14	0.58	0.00	0.41	0.00	0.37	0.00	0.40	0.00
1972-73 DELTA-P		0.01	0.07	0.06	-0.13	-0.08	0.07	-0.08	0.17	0.82	-0.13	-0.13	-0.13	0.05	0.62	-0.13	0.28	-0.13	0.24	-0.13	0.38	-0.13
1969-70 DELTA-P		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANGE DELTA-P		0.01	0.07	0.06	-0.13	-0.08	0.07	-0.08	0.17	0.82	-0.13	-0.13	-0.13	0.05	0.62	-0.13	0.28	-0.13	0.24	-0.13	0.38	-0.13
1972-73 SE OF DP		0.12	0.14	0.14	0.07	0.08	0.06	0.07	0.27	0.94	0.07	0.07	0.07	0.08	0.54	0.07	0.38	0.07	0.35	0.07	0.35	0.07
1969-70 SE OF DP		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE DELTA-P		0.12	0.14	0.14	0.07	0.08	0.06	0.07	0.27	0.94	0.07	0.07	0.07	0.08	0.54	0.07	0.38	0.07	0.35	0.07	0.35	0.07
RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	51.81	53.58	54.66	47.98	51.97	54.44	49.37	52.84	43.97	52.19	59.66	56.25	50.27	52.74	46.96	48.73	47.70	49.34	50.56	52.98	49.75	55.32
1969-70 P-VALUE	51.69	51.69	52.48	51.03	51.89	51.34	52.27	52.93	47.80	44.59	43.04	41.36	50.77	56.33	48.50	47.82	45.99	55.03	46.63	55.44	54.45	52.36
CHANGE P-VALUE	0.12	1.89	2.18	-3.05	0.08	3.10	-2.90	-0.09	-3.83	7.60	16.62*	14.89#	-0.50	-3.59	-1.54	0.91	1.71	-5.69	3.93	-2.46	-4.70	2.96
1972-73 SE OF P-VAL	1.54	2.72	3.59	3.07	2.82	2.08	1.81	1.79	2.66	5.04	4.18	4.38	2.06	2.16	3.20	5.68	3.15	3.71	5.93	3.75	2.48	3.05
1969-70 SE OF P-VAL	1.85	2.63	3.64	4.41	3.13	2.28	2.14	2.24	3.49	4.14	6.74	3.56	2.38	2.68	3.32	4.17	3.17	4.11	7.65	4.31	4.30	3.38
SE OF CHANGE P-VALUE	2.41	3.78	5.11	5.37	4.21	3.09	2.80	2.87	4.39	6.52	7.93	5.64	3.15	3.44	4.61	7.05	4.47	5.54	9.68	5.71	4.96	4.55
1972-73 DELTA-P		1.77	2.85	-3.83	0.16	2.63*	-2.44*	1.03	-7.84#	0.38	7.85*	4.44	-1.54	0.93	-4.85	-3.08	-4.11	-2.47	-1.25	1.17	-2.06	3.51
1969-70 DELTA-P		0.00	0.79	-0.66	0.20	-0.35	0.58	1.24	-3.89	-7.10	-8.65	-10.33#	-0.92	4.64#	-3.19	-3.87	-5.70	3.34	-5.06	3.75	2.76	0.67
CHANGE DELTA-P		1.77	2.06	-3.17	-0.04	2.98	-3.02	-0.21	-3.95	7.48	16.50*	14.77#	-0.62	-3.71	-1.66	0.79	1.59	-5.81	3.81	-2.58	-4.82	2.84
1972-73 SE OF DP		2.50	3.04	2.54	2.53	1.25	1.14	0.55	2.75	4.92	3.69	3.98	1.79	1.24	2.94	5.26	3.31	3.51	5.71	3.53	2.66	2.27
1969-70 SE OF DP		2.64	3.37	3.24	2.89	1.25	1.12	0.74	3.55	4.35	6.44	3.54	1.60	1.58	3.38	3.96	3.32	4.17	7.02	4.19	4.12	2.44
SE OF CHANGE DELTA-P		3.64	4.54	4.12	3.84	1.77	1.60	0.92	4.49	6.57	7.42	5.33	2.40	2.01	4.48	6.58	4.69	5.45	9.05	5.48	4.90	3.33

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101112-23   UB139

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	66.45	62.60	68.75	66.73	68.43	70.93	62.64	67.75	61.39	59.20	58.92	60.92	62.33	71.42	66.82	64.52	64.34	69.91	63.92	64.32	68.49	66.56
1969-70 P-VALUE	62.29	64.51	58.18	59.95	66.15	67.04	57.82	64.65	50.51	53.10	65.50	61.05	58.54	65.28	61.29	55.46	50.72	67.17	61.88	70.80	62.58	63.11
CHANGE P-VALUE	4.16	-1.91	10.57#	6.78	2.28	3.89	4.82	3.10	10.88	6.10	-6.58	-0.13	3.79	6.14*	5.53	9.06	13.62	2.74	2.04	-6.48	5.91	3.45
1972-73 SE OF P-VAL	1.25	2.29	1.47	2.75	2.70	1.59	1.88	1.37	2.93	4.41	4.29	3.17	2.01	1.89	4.70	4.98	4.47	4.25	4.06	4.34	3.85	1.52
1969-70 SE OF P-VAL	1.72	2.67	3.91	3.67	2.98	2.43	2.08	1.77	4.68	5.33	4.96	3.40	2.85	1.94	7.63	3.92	7.49	3.83	3.83	4.42	4.13	3.01
SE OF CHANGE P-VALUE	2.13	3.52	4.18	4.59	4.02	2.90	2.80	2.24	5.52	6.92	6.56	4.65	3.49	2.71	8.96	6.34	8.72	5.72	5.58	6.19	5.65	3.37
1972-73 DELTA-P		-3.85	2.30	0.28	1.98	4.48#	-3.81#	1.30*	-5.06	-7.25	-7.53	-5.53	-4.12*	4.97#	0.37	-1.93	-2.11	3.46	-2.53	-2.13	2.04	0.11
1969-70 DELTA-P		2.22	-4.11	-2.34	3.86	4.75#	-4.47#	2.36#	-11.78#	-9.19	3.21	-1.24	-3.75	2.99*	-1.00	-6.83	-11.57	4.88	-0.41	8.51*	0.29	0.82
CHANGE DELTA-P		-6.07	6.41	2.62	-1.88	-0.27	0.66	-1.06	6.72	1.94	-10.74	-4.29	-0.37	1.98	1.37	4.90	9.46	-1.42	-2.12	-10.64	1.75	-0.71
1972-73 SE OF DP		1.97	1.69	2.17	2.33	1.38	1.19	0.53	2.76	4.24	4.43	3.12	1.79	1.26	4.45	4.75	4.19	3.85	4.00	4.13	3.48	1.49
1969-70 SE OF DP		2.55	3.54	2.78	2.73	1.57	1.46	0.83	4.26	5.00	4.68	3.16	1.91	1.22	7.48	3.83	7.14	4.00	3.68	4.21	3.49	2.52
SE OF CHANGE DELTA-P		3.22	3.92	3.53	3.59	2.09	1.88	0.98	5.08	6.56	6.44	4.44	2.62	1.75	8.70	6.10	8.28	5.55	5.44	5.90	4.93	2.93
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	15.62	16.52	11.53	18.19	15.46	11.65	19.30	15.57	17.99	12.01	10.92	13.85	16.78	14.14	20.09	18.03	13.10	16.72	16.78	17.83	15.87	13.80
1969-70 P-VALUE	12.64	16.12	9.47	11.55	13.16	12.15	13.21	12.35	12.64	16.46	13.17	11.18	12.75	12.36	14.61	9.74	11.15	13.99	15.98	10.06	16.20	11.82
CHANGE P-VALUE	2.98	0.40	2.06	6.64*	2.30	-0.50	6.09#	3.22	5.35	-4.45	-2.25	2.67	4.03	1.78	5.48	8.29	1.95	2.73	0.80	7.77	-0.33	1.98
1972-73 SE OF P-VAL	1.18	2.59	2.68	2.29	1.61	1.26	1.57	1.31	2.59	2.81	2.82	3.33	1.81	1.44	2.29	3.97	1.95	3.50	4.[illegible]0	3.18	3.10	1.87
1969-70 SE OF P-VAL	0.95	1.85	1.77	1.96	1.75	1.29	1.20	1.08	2.34	3.58	3.65	2.15	1.55	1.39	2.04	2.91	1.71	2.70	4.58	2.28	2.71	1.64
SE OF CHANGE P-VALUE	1.51	3.18	3.21	3.01	2.38	1.80	1.98	1.70	3.49	4.55	4.61	3.96	2.38	2.00	3.07	4.92	2.59	4.42	[illegible].08	3.91	4.12	2.49
1972-73 DELTA-P		0.90	-4.09	2.57	-0.16	-3.97#	3.68#	-0.05	2.37	-3.61	-4.70	-1.77	1.16	-1.48	4.47*	2.41	-2.52	1.10	1.16	2.21	0.25	-1.82
1969-70 DELTA-P		3.48*	-3.17	-1.09	0.52	-0.49	0.57	-0.29	0.00	3.82	0.53	-1.46	0.11	-0.28	1.97	-2.90	-1.49	1.35	3.34	-2.58	3.56	-0.82
CHANGE DELTA-P		-2.58	-0.92	3.66	-0.68	-3.48#	3.11#	0.24	2.37	-7.43	-5.23	-0.31	1.05	-1.20	2.50	5.31	-1.03	-0.25	-2.18	4.79	-3.31	-1.00
1972-73 SE OF DP		2.21	2.26	1.91	1.64	0.91	0.83	0.39	2.39	2.80	2.76	2.78	1.31	0.95	2.12	3.77	2.27	3.09	3.88	2.95	2.76	1.50
1969-70 SE OF DP		1.62	1.63	1.53	1.57	0.82	0.77	0.44	2.20	3.46	3.55	2.09	1.08	0.94	2.05	2.76	1.79	2.70	4.26	2.20	2.55	1.23
SE OF CHANGE DELTA-P		2.74	2.79	2.45	2.27	1.22	1.13	0.59	3.25	4.45	4.50	3.48	1.70	1.34	2.95	4.67	2.89	4.10	5.76	3.68	3.76	1.94
AGE: 17																						
1972-73 P-VALUE	5.42	7.65	3.69	5.07	4.84	4.37	6.31	4.77	8.48	7.94	7.24	6.52	5.17	4.77	7.64	3.79	8.36	6.83	6.87	4.54	5.17	4.63
1969-70 P-VALUE	5.34	4.99	4.10	6.53	5.09	3.59	6.99	5.12	5.74	7.29	3.17	5.18	5.93	5.14	6.68	7.17	4.47	3.18	7.21	6.29	4.07	5.04
CHANGE P-VALUE	0.08	2.65	-0.41	-1.46	-0.25	0.78	-0.68	-0.35	2.74	0.65	4.07	1.34	-0.76	-0.37	0.96	-3.38	3.89	3.65	-0.34	-1.75	1.10	-0.41
1972-73 SE OF P-VAL	0.50	1.14	0.91	1.00	0.70	0.64	0.84	0.54	1.64	3.11	2.10	1.99	1.16	0.69	2.33	1.38	1.97	1.77	2.26	1.13	1.09	0.74
1969-70 SE OF P-VAL	0.67	1.13	1.15	1.43	1.32	0.60	0.99	0.73	1.62	3.42	2.10	1.36	1.31	0.88	4.29	1.97	1.59	1.28	2.18	2.73	1.22	1.34
SE OF CHANGE P-VALUE	0.84	1.61	1.47	1.74	1.49	0.88	1.30	0.91	2.31	4.62	2.97	2.41	1.75	1.12	4.88	2.41	2.53	2.18	3.14	2.95	1.64	1.53
1972-73 DELTA-P		2.23*	-1.73*	-0.35	-0.58	-1.05	0.89	-0.65	3.06*	2.52	1.82	1.10	-0.25	-0.65	2.22	-1.63	2.94	1.41	1.45	-0.88	-0.25	-0.79
1969-70 DELTA-P		-0.35	-1.24	1.19	-0.25	-1.75#	1.65#	-0.22	0.40	1.95	-2.17	-0.16	0.59	-0.20	1.34	1.83	-0.87	-2.16	1.87	0.95	-1.27	-0.30
CHANGE DELTA-P		2.58	-0.49	-1.54	-0.33	0.70	-0.76	-0.43	2.66	0.57	3.99	1.26	-0.84	-0.45	0.88	-3.46	3.81	3.57	-0.42	-1.83	1.02	-0.49
1972-73 SE OF DP		0.91	0.86	0.82	0.72	0.62	0.52	0.34	1.44	3.04	2.03	1.96	0.97	0.58	2.22	1.31	1.81	1.57	2.16	1.17	1.08	0.65
1969-70 SE OF DP		1.04	1.10	1.10	1.14	0.51	0.47	0.34	1.55	3.25	2.19	1.23	0.96	0.62	4.36	1.94	1.58	1.37	1.98	2.52	1.15	1.12
SE OF CHANGE DELTA-P		1.38	1.40	1.37	1.35	0.80	0.70	0.48	2.12	4.45	2.99	2.31	1.36	0.85	4.89	2.34	2.40	2.08	2.93	2.78	1.58	1.29

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101113-2

72-73 Report #: UB140
69-70 Report #: U722

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	06-26
69-70 Package-Exercise:	05-11
72-73 National P-val:	
UB140	56.69
69-70 National P-value:	
UB140	58.18

Timing: (in seconds)		
	Stimulus:	13
	Response:	7
	I don't know:	5
	Pause:	6
UB140	Exercise total:	31

EXERCISE: 101113-2 UB140

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.28	0.20	0.00	0.42	4.49	1.38	1.19	0.98	4.02	0.37	0.00	2.11	1.51	0.74	2.34	0.00	5.78	0.00	1.18	4.40	0.96	0.12
1969-70 P-VALUE	0.08	0.35	-0.01	-0.01	-0.01	0.18	-0.01	0.07	0.19	-0.01	-0.01	-0.01	0.18	-0.01	0.27	-0.01	-0.01	0.28	-0.01	-0.01	-0.01	0.16
CHANGE P-VALUE	1.20*	-0.15	0.01	0.43	4.50*	1.20	1.20*	0.91	3.83	0.38	0.01	2.12*	1.33	0.75*	2.07*	0.01	5.79	-0.28	1.19	4.41	0.97	-0.04
1972-73 SE OF P-VAL	0.54	0.16	0.00	0.25	2.16	0.64	0.49	0.69	3.13	0.28	0.00	0.87	1.00	0.33	0.95	0.00	5.40	0.00	0.80	4.26	0.99	0.12
1969-70 SE OF P-VAL	0.03	0.13	0.00	0.00	0.00	0.07	0.00	0.08	0.20	0.00	0.00	0.00	0.19	0.00	0.28	0.00	0.00	0.28	0.00	0.00	0.00	0.16
SE OF CHANGE P-VALUE	0.54	0.21	0.00	0.25	2.16	0.64	0.49	0.69	3.14	0.28	0.00	0.87	1.02	0.33	0.99	0.00	5.40	0.28	0.80	4.26	0.99	0.20
1972-73 DELTA-P		-1.08	-1.28*	-0.86	3.21	0.10	-0.09	-0.30	2.74	-0.91	-1.28*	0.83	0.23	-0.54	1.06	-1.28*	4.50	-1.28*	-0.10	3.12	-0.32	-1.16*
1969-70 DELTA-P		0.27#	-0.09#	-0.09#	-0.09#	0.10*	-0.09#	-0.01	0.11	-0.09#	-0.09#	-0.09#	0.10	-0.09#	0.19	-0.09#	-0.09#	0.20	-0.09#	-0.09#	-0.09#	0.08
CHANGE DELTA-P		-1.35*	-1.19*	-0.77	3.30*	0.00	0.00	-0.29	2.63	-0.82	-1.19*	0.92*	0.13	-0.45	0.87	-1.19*	4.59	-1.48*	-0.01	3.21	-0.23	-1.24*
1972-73 SE OF DP		0.55	0.54	0.56	1.64	0.18	0.17	0.43	3.66	0.58	0.54	0.46	0.61	0.28	0.75	0.54	5.28	0.54	0.90	3.92	1.01	0.54
1969-70 SE OF DP		0.10	0.03	0.03	0.03	0.04	0.03	0.04	0.23	0.03	0.03	0.03	0.15	0.03	0.31	0.03	0.03	0.31	0.03	0.03	0.03	0.13
SE OF CHANGE DELTA-P		0.56	0.54	0.56	1.64	0.18	0.17	0.43	3.07	0.58	0.54	0.46	0.63	0.28	0.81	0.54	5.28	0.62	0.90	3.92	1.01	0.56
RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	56.69	63.57	57.49	53.01	53.61	53.27	59.86	59.11	46.04	43.49	46.38	53.41	55.35	63.57	45.55	57.60	45.73	61.50	54.79	56.11	61.43	55.76
1969-70 P-VALUE	58.18	58.74	55.20	60.08	57.63	56.66	59.56	60.52	47.43	52.82	40.52	50.64	55.69	63.84	57.41	50.36	43.28	66.09	53.14	59.27	63.15	60.83
CHANGE P-VALUE	-1.49	4.83	2.29	-7.07	-4.02	-3.39	0.30	-1.41	-1.39	-9.33	7.86	2.77	-0.34	-0.27	-11.86*	7.24	2.45	-4.59	1.65	-3.16	-1.72	-5.07
1972-73 SE OF P-VAL	1.29	2.62	1.46	2.53	3.05	1.84	1.50	1.45	3.76	4.74	2.98	3.23	2.01	1.64	3.32	2.66	4.86	4.76	4.32	5.13	3.40	2.01
1969-70 SE OF P-VAL	1.54	2.41	3.58	2.72	3.10	1.77	2.15	1.65	3.91	5.41	6.06	3.98	2.46	2.02	3.44	6.58	5.35	4.26	5.46	3.39	2.61	2.34
SE OF CHANGE P-VALUE	2.01	3.56	3.87	3.71	4.35	2.55	2.62	2.20	5.42	7.19	6.75	5.13	3.18	2.60	4.78	7.10	7.23	6.39	6.96	6.15	4.29	3.08
1972-73 DELTA-P		6.88#	0.80	-3.68	-3.08	-3.42#	3.17#	2.42#	-10.65#	-13.20#	-6.31#	-3.28	-1.34	6.88#	-11.14#	0.91	-10.96*	4.81	-1.90	-0.58	4.74	-0.93
1969-70 DELTA-P		0.56	-2.98	1.90	-0.55	-1.52	1.38	2.34#	-10.75#	-5.36	-17.66#	-7.54*	-2.49	5.66#	-0.77	-7.82	-14.90#	7.91	-5.04	1.09	4.97	2.65
CHANGE DELTA-P		6.32	3.78	-5.58	-2.53	-1.90	1.79	0.08	0.10	-7.84	9.35	4.26	1.15	1.22	-10.37*	8.73	3.94	-3.10	3.14	-1.67	-0.23	-3.58
1972-73 SE OF DP		2.28	1.69	2.06	2.53	1.14	1.01	0.68	3.56	4.62	2.80	2.99	1.59	1.17	2.92	2.78	4.73	4.26	4.18	4.65	3.28	1.80
1969-70 SE OF DP		2.30	3.03	2.17	2.70	1.31	1.21	0.83	3.63	5.10	5.62	3.53	1.95	1.44	3.46	5.96	5.02	4.19	5.25	3.39	2.75	1.82
SE OF CHANGE DELTA-P		3.24	3.47	2.99	3.70	1.74	1.58	1.07	5.08	6.88	6.28	4.61	2.52	1.86	4.53	6.58	6.90	5.98	6.71	5.75	4.28	2.56
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	9.35	5.72	6.79	14.54	9.13	9.13	9.56	8.74	11.82	13.07	10.47	4.80	9.53	7.42	16.32	17.53	11.06	9.59	6.99	10.26	9.53	6.56
1969-70 P-VALUE	2.66	3.34	1.57	1.54	4.40	2.61	2.67	2.43	3.34	4.02	1.72	1.27	2.07	2.98	4.97	1.61	1.08	4.07	2.90	3.34	5.93	1.41
CHANGE P-VALUE	6.69#	2.38	5.22#	13.00#	4.73*	6.52#	6.89#	6.31#	8.48#	9.05#	8.75#	3.53	7.46#	4.44#	11.35#	15.92#	9.98#	5.52*	4.09	6.92#	3.60	5.15#
1972-73 SE OF P-VAL	0.68	1.06	1.19	1.33	1.56	0.97	0.86	0.75	2.26	2.55	2.43	1.60	1.36	0.94	2.94	2.18	3.00	1.80	1.85	2.15	1.76	0.89
1969-70 SE OF P-VAL	0.37	0.79	0.44	0.54	1.08	0.48	0.58	0.45	1.00	1.22	1.22	0.83	0.61	0.63	1.80	0.94	0.65	1.54	1.08	1.28	1.30	0.42
SE OF CHANGE P-VALUE	0.77	1.32	1.27	1.44	1.90	1.08	1.04	0.91	2.47	2.83	2.72	1.80	1.49	1.13	3.45	2.37	3.07	2.37	2.14	2.50	2.19	0.98
1972-73 DELTA-P		-3.63#	-2.56*	5.19#	-0.22	-0.22	0.21	-0.61	2.47	3.72	1.12	-4.55#	0.18	-1.93*	6.97*	8.18#	1.71	0.24	-2.36	0.91	0.18	-2.79#
1969-70 DELTA-P		0.68	-1.09*	-1.12*	1.74	-0.05	0.01	-0.23	0.68	1.36	-0.94	-1.39	-0.59	0.32	2.31	-1.05	-1.58*	1.41	0.24	0.68	3.27#	-1.25#
CHANGE DELTA-P		-4.31#	-1.47	6.31#	-1.96	-0.17	0.20	-0.38	1.79	2.36	2.06	-3.16	0.77	-2.25*	4.66	9.23#	3.29	-1.17	-2.60	0.23	-3.09	-1.54
1972-73 SE OF DP		1.01	1.11	1.10	1.30	0.64	0.60	0.34	2.24	2.53	2.28	1.38	1.07	0.85	2.87	2.12	2.90	1.51	1.89	1.88	1.73	0.78
1969-70 SE OF DP		0.67	0.50	0,50	0.88	0.39	0.36	0.19	0.96	1.20	1.31	0.87	0.48	0.48	1.67	0.94	0.66	1.43	1.03	1.19	1.15	0.46
SE OF CHANGE DELTA-P		1.21	1.22	1.21	1.57	0.75	0.70	0.39	2.44	2.80	2.63	1.63	1.17	0.98	3.12	2.32	2.97	2.08	2.15	2.22	2.08	0.91

* The absolute value of this number is greater than 2.0 times its standard error.
#. The absolute value of this number is greater than 2.5 times its standard error.

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NAEP #:          101115-23

72-73 Report #: UP141
69-70 Report #: U728, U810

72-73 Obj:       I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj:    A. Know facts and simple concepts.

69-70 Obj:       I. KNOW  FUNDAMENTAL  FACTS  AND  PRINCIPLES  OF
                    SCIENCE.

Science Type:       Physical science

Exercise Type:          Multiple choice
Scoring Type:           Machine
Administration Mode:    Group

Age:                                       13        17IS
72-73 Package-Exercise:                   03-23     01-27
69-70 Package-Exercise:                   06-04     10-0

72-73 National P-val:
           UP141                          44.28     73.41
69-70 National P-value:
           UP141                          53.31     75.64

Timing: (in seconds)
                         Stimulus:          23        22
                         Response:          13        12
                      I don't know:          5         5
                            Pause:           6         6
   UP141            Exercise total:         47        45
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EXERCISE: 101115-23 UP141

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.05	0.69	0.13	2.51	0.61	1.35	0.78	1.12	1.08	0.00	0.00	1.97	0.67	1.12	1.75	8.30	1.32	0.00	1.08	0.52	0.33	0.08
1969-70 P-VALUE	0.08	0.03	0.25	-0.01	0.08	-0.01	0.13	0.09	0.07	-0.01	-0.01	-0.01	0.04	0.06	0.50	-0.01	-0.01	-0.01	0.07	-0.01	0.29	0.08
CHANGE P-VALUE	0.97	0.66	-0.12	2.52	0.53	1.36	0.65	1.03	1.01	0.01	0.01	1.98	0.63	1.06	1.25	8.31	1.33	0.01	1.01	0.53	0.04	0.00
1972-73 SE OF P-VAL	0.70	0.41	0.13	2.47	0.36	0.87	0.57	0.87	0.57	0.00	0.00	1.60	0.43	0.99	0.80	7.96	0.88	0.00	0.71	0.51	0.32	0.08
1969-70 SE OF P-VAL	0.04	0.04	0.20	0.00	0.09	0.00	0.09	0.06	0.08	0.00	0.00	0.00	0.00	0.05	0.50	0.00	0.00	0.00	0.08	0.00	0.30	0.06
SE OF CHANGE P-VALUE	0.70	0.41	0.24	2.47	0.37	0.87	0.58	0.87	0.58	0.00	0.00	1.60	0.43	0.99	0.94	7.96	0.88	0.00	0.71	0.51	0.44	0.10
1972-73 DELTA-P		-0.36	-0.92	1.46	-0.44	0.30	-0.27	0.07	0.03	-1.05	-1.05	0.92	-0.38	0.07	0.70	7.25	0.27	-1.05	0.03	-0.53	-0.72	-0.97
1969-70 DELTA-P		-0.05	0.17	-0.09	0.00	-0.09	0.05	0.01	-0.01	-0.09	-0.09	-0.09	-0.04	-0.02	0.42	-0.09	-0.09	-0.09	-0.01	-0.09	0.21	0.00
CHANGE DELTA-P		-0.31	-1.09	1.55	-0.44	0.39	-0.32	0.06	0.04	-0.96	-0.96	1.01	-0.34	0.09	0.28	7.34	0.36	-0.96	0.04	-0.44	-0.93	-0.97
1972-73 SE OF DP		0.76	0.71	1.78	0.75	0.21	0.19	0.18	0.86	0.70	0.70	0.94	0.37	0.33	0.64	7.28	1.07	0.70	0.94	0.83	0.76	0.71
1969-70 SE OF DP		0.06	0.15	0.05	0.08	0.05	0.04	0.02	0.08	0.05	0.05	0.05	0.05	0.05	0.46	0.05	0.05	0.05	0.09	0.05	0.26	0.06
SE OF CHANGE DELTA-P		0.76	0.73	1.78	0.75	0.22	0.19	0.18	0.86	0.70	0.70	0.94	0.37	0.33	0.79	7.28	1.07	0.70	0.94	0.83	0.80	0.71

AGE: 17

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.73	2.11	0.00	0.50	0.09	0.60	0.85	0.33	3.51	1.55	0.00	0.00	0.00	0.49	8.00	0.00	3.56	0.27	2.31	0.28	0.85	0.23
1969-70 P-VALUE	0.40	0.50	1.07	0.19	0.11	0.43	0.38	0.20	2.51	0.00	0.63	0.47	0.62	0.19	0.00	0.99	0.34	0.00	0.00	0.00	0.62	0.53
CHANGE P-VALUE	0.33	1.61	-1.07	0.31	-0.02	0.17	0.47	0.13	1.00	1.55	-0.63	-0.47	-0.62	0.30	8.00*	-0.99	3.22	0.27	2.31*	0.28	0.23	-0.30
1972-73 SE OF P-VAL	0.31	1.08	0.00	0.41	0.08	0.26	0.42	0.18	1.67	1.51	0.00	0.00	0.00	0.30	3.76	0.00	2.69	0.27	1.43	0.28	0.88	0.23
1969-70 SE OF P-VAL	0.18	0.40	0.77	0.19	0.13	0.27	0.20	0.16	1.39	0.00	0.56	0.42	0.37	0.15	0.00	1.15	0.34	0.00	0.00	0.00	0.50	0.33
SE OF CHANGE P-VALUE	0.36	1.15	0.77	0.45	0.15	0.37	0.47	0.24	2.17	1.51	0.56	0.42	0.37	0.34	3.76	1.15	2.71	0.27	1.13	0.28	1.01	0.40
1972-73 DELTA-P		1.38	-0.73*	-0.23	-0.64*	-0.13	0.12	-0.40	2.78	0.82	-0.73*	-0.73*	-0.73*	-0.24	7.27*	-0.73*	2.83	-0.46	1.58	-0.45	0.12	-0.50
1969-70 DELTA-P		0.10	0.67	-0.21	-0.29	0.03	-0.02	-0.20	2.11	-0.40*	0.23	0.07	0.22	-0.21	-0.40*	0.59	-0.06	-0.40*	-0.40*	-0.40*	0.22	0.13
CHANGE DELTA-P		1.28	-1.40	-0.02	-0.35	-0.16	0.14	-0.20	0.67	1.22	-0.96	-0.80	-0.95*	-0.03	7.67*	-1.32	2.89	-0.06	1.98*	-0.05	-0.10	-0.63
1972-73 SE OF DP		0.80	0.31	0.42	0.32	0.16	0.16	0.27	1.42	1.27	0.31	0.31	0.31	0.32	3.50	0.31	2.45	0.39	0.93	0.38	0.83	0.33
1969-70 SE OF DP		0.34	0.65	0.22	0.20	0.15	0.14	0.12	1.28	0.18	0.55	0.32	0.23	0.19	0.18	1.05	0.37	0.18	0.18	0.18	0.44	0.25
SE OF CHANGE DELTA-P		0.87	0.72	0.47	0.38	0.22	0.21	0.30	1.91	1.28	0.63	0.45	0.39	0.37	3.50	1.09	2.48	0.43	0.35	0.42	0.94	0.41

RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	44.28	50.19	41.21	45.66	39.78	46.39	42.34	49.09	21.77	28.73	23.95	24.96	48.48	52.58	29.68	37.20	22.37	49.90	46.02	47.34	50.05	45.55
1969-70 P-VALUE	53.31	60.69	49.47	56.43	44.75	55.05	51.84	57.78	37.36	27.72	35.54	43.08	49.19	62.13	38.93	40.70	28.05	67.74	44.81	64.51	53.48	55.75
CHANGE P-VALUE	-9.03#	-10.50*	-8.26	-10.77	-4.97	-8.66#	-9.50#	-8.69#	-15.59#	1.01	-11.59	-18.12#	-0.71	-9.55#	-9.25	-3.50	-5.68	-17.84*	1.21	-17.17*	-3.43	-10.20*
1972-73 SE OF P-VAL	1.89	3.23	3.57	4.60	3.11	2.37	2.11	2.26	2.76	4.42	2.97	3.40	2.42	2.47	3.04	7.22	3.69	4.96	5.84	5.00	6.24	2.96
1969-70 SE OF P-VAL	2.03	3.89	4.55	3.76	4.06	2.37	2.34	2.29	3.00	5.46	6.06	4.00	2.76	2.43	4.32	7.24	4.55	5.57	5.96	5.74	6.22	3.57
SE OF CHANGE P-VALUE	2.77	5.06	5.78	5.94	5.11	3.35	3.15	3.22	4.08	7.02	6.75	5.25	3.67	3.46	5.28	10.22	5.86	7.46	8.34	7.61	8.81	4.64
1972-73 DELTA-P		5.91	-3.07	1.38	-4.50	2.11	-1.94	4.81#	-22.51#	-15.55#	-20.33#	-19.32#	4.20*	8.30#	-14.60#	-7.08	-21.91#	5.62	1.74	3.06	5.77	1.27
1969-70 DELTA-P		7.38*	-3.84	3.12	-8.56*	1.74	-1.47	4.47#	-15.95#	-25.59#	-17.77#	-10.23#	-4.12*	8.82#	-14.38#	-12.61	-25.26#	14.43#	-8.50	11.20*	0.17	2.44
CHANGE DELTA-P		-1.47	0.77	-1.74	4.06	0.37	-0.47	0.34	-6.56	10.04	-2.56	-9.09	8.32#	-0.52	-0.22	5.53	3.35	-8.81	10.24	-8.14	5.60	-1.17
1972-73 SE OF DP		3.00	3.27	3.60	2.84	1.25	1.15	0.88	3.08	4.60	3.14	3.06	1.84	1.37	2.80	6.75	3.88	4.43	5.73	4.81	5.66	2.41
1969-70 SE OF DP		3.34	4.02	3.20	3.60	1.25	1.10	0.87	3.05	5.11	5.88	3.58	1.98	1.39	3.94	7.15	4.85	5.34	5.56	5.35	5.80	2.95
SE OF CHANGE DELTA-P		4.49	5.18	4.82	4.59	1.77	1.59	1.24	4.33	6.88	6.67	4.71	2.70	1.95	4.83	9.83	6.21	6.94	7.98	7.19	8.10	3.81

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101115-23 UP141

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	73.41	77.64	69.35	76.06	69.59	75.96	70.93	78.53	48.34	45.48	55.26	59.09	71.79	82.30	54.35	67.52	47.26	85.97	65.56	73.29	71.47	77.28
1969-70 P-VALUE	75.64	78.80	68.79	78.51	73.87	77.09	74.31	79.44	55.94	49.87	48.98	66.56	75.35	83.01	57.58	60.80	57.38	85.88	74.97	74.67	77.39	79.55
CHANGE P-VALUE	-2.23	-1.16	0.56	-2.45	-4.28	-1.13	-3.38	-0.91	-7.60	-4.39	6.28	-7.47	-3.56	-0.71	-3.23	6.72	-10.12	0.09	-9.41	-1.38	-5.92	-2.27
1972-73 SE OF P-VAL	1.42	2.50	2.22	2.69	3.62	1.55	1.89	1.40	3.07	5.32	4.53	3.87	2.10	1.60	5.43	4.07	4.27	1.88	4.93	3.45	3.12	2.23
1969-70 SE OF P-VAL	1.51	2.57	3.56	3.23	2.48	1.92	1.79	1.49	5.36	5.89	4.81	3.57	2.06	1.52	10.01	6.05	7.54	2.08	3.86	3.21	3.53	2.70
SE OF CHANGE P-VALUE	2.07	3.59	4.20	4.20	4.39	2.47	2.60	2.04	6.18	7.94	6.61	5.27	2.94	2.21	11.39	7.29	8.67	2.80	6.26	4.71	4.71	3.50
1972-73 DELTA-P		4.23	-4.06	2.65	-3.82	2.55#	-2.48*	5.12#	-25.07#	-27.93#	-18.15#	-14.32#	-1.62	8.97#	-19.06#	-5.09	-26.15#	12.56#	-7.85	-0.12	-1.94	3.87*
1969-70 DELTA-P		3.16	-6.85*	2.87	-1.77	1.45	-1.33	3.80#	-19.70#	-25.77#	-26.66#	-9.09#	-0.29	7.45#	-18.06	-14.04#	-18.26#	10.24#	-0.67	-0.97	1.75	3.91
CHANGE DELTA-P		1.07	2.79	-0.22	-2.05	1.10	-1.15	1.32	-5.37	-2.16	8.51	-5.24	-1.33	1.52	-1.00	8.95	-7.89	2.32	-7.18	0.85	-3.69	-0.04
1972-73 SE OF DP		2.24	2.22	2.36	2.88	1.02	1.03	0.83	2.98	4.94	4.60	3.46	1.77	1.27	5.30	4.05	3.90	2.06	4.67	3.08	3.45	1.78
1969-70 SE OF DP		2.39	3.24	2.46	2.26	1.13	1.03	1.05	5.01	5.63	4.35	2.98	1.48	1.31	9.78	5.91	7.09	2.40	3.70	3.29	3.24	2.26
SE OF CHANGE DELTA-P		3.28	3.93	3.41	3.66	1.52	1.46	1.34	5.83	7.49	6.33	4.57	2.31	1.82	11.12	7.16	8.09	3.16	5.96	4.51	4.73	2.88
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	24.52	20.77	23.53	21.90	31.76	22.89	26.02	23.06	28.64	35.15	26.74	29.97	21.70	20.95	38.08	19.25	33.32	23.44	24.21	29.56	25.10	22.24
1969-70 P-VALUE	20.71	16.78	17.38	19.90	29.26	20.25	21.08	19.75	21.18	32.78	25.00	20.88	21.80	18.47	27.17	29.84	28.19	15.73	26.29	19.01	20.10	18.11
CHANGE P-VALUE	3.81	3.99	6.15*	2.00	2.50	2.64	4.94*	3.31	7.46*	2.37	1.74	9.09	-0.10	2.48	10.91*	-10.59	5.13	7.71	-2.08	10.55	5.00	4.13
1972-73 SE OF P-VAL	1.34	2.19	1.90	2.70	3.26	1.88	1.56	1.48	2.26	6.22	3.63	3.95	1.79	1.63	3.73	4.37	6.18	3.97	2.83	4.86	4.61	1.85
1969-70 SE OF P-VAL	1.60	2.55	2.07	3.49	3.56	2.04	1.80	1.75	2.86	5.51	4.92	2.67	2.19	1.98	3.23	7.53	3.20	3.43	6.05	4.49	4.78	2.37
SE OF CHANGE P-VALUE	2.09	3.36	2.81	4.41	4.83	2.77	2.38	2.29	3.65	8.31	6.11	4.77	2.83	2.56	4.93	8.71	6.96	5.25	6.68	6.62	6.64	3.01
1972-73 DELTA-P		-3.75	-0.99	-2.62	7.24#	-1.63	1.50	-1.46*	4.12	10.63	2.22	5.45	-2.82*	-3.57#	13.56#	-5.27	8.80	-1.08	-0.31	5.04	0.58	-2.28
1969-70 DELTA-P		-3.93	-3.33	-0.81	8.55#	-0.46	0.37	-0.96	0.47	12.07*	4.29	0.17	1.09	-2.24*	6.46*	9.13	7.48*	-4.98	5.58	-1.70	-0.61	-2.60
CHANGE DELTA-P		0.18	2.34	-1.81	-1.31	-1.17	1.13	-0.50	3.65	-1.44	-2.07	5.28	-3.91*	-1.33	7.10	-14.40	1.32	3.90	-5.89	6.74	1.19	0.32
1972-73 SE OF DP		2.06	1.95	2.24	2.62	1.12	1.05	0.59	2.25	5.88	3.61	3.53	1.32	1.26	3.12	4.54	5.77	3.54	2.85	4.60	4.33	1.57
1969-70 SE OF DP		2.37	2.23	2.77	2.99	1.11	0.97	0.56	2.79	5.00	4.54	2.55	1.39	0.98	3.06	7.26	3.08	3.34	5.36	4.29	4.41	2.10
SE OF CHANGE DELTA-P		3.14	2.96	3.56	3.98	1.58	1.43	0.81	3.58	7.72	5.80	4.35	1.92	1.60	4.37	8.56	6.54	4.87	6.07	6.29	6.18	2.62
AGE: 17																						
1972-73 P-VALUE	11.49	6.63	15.24	11.89	13.26	10.49	12.46	10.28	18.83	15.60	19.51	18.75	12.81	7.95	12.29	13.89	15.80	7.79	14.47	7.02	16.42	10.88
1969-70 P-VALUE	10.11	8.77	8.63	10.97	11.29	9.25	10.90	8.83	13.56	23.86	23.59	11.67	9.39	8.25	11.30	16.18	14.18	5.63	6.98	13.47	9.44	9.52
CHANGE P-VALUE	1.38	-2.14	6.61#	0.92	1.97	1.24	1.56	1.45	5.27	-8.26	-4.08	7.08	3.42	-0.30	0.99	-2.29	1.62	2.16	7.49*	-6.45	6.98*	1.36
1972-73 SE OF P-VAL	0.87	1.05	1.65	1.88	2.03	1.01	1.25	1.02	2.47	3.21	3.76	3.18	1.40	0.97	3.05	2.65	3.72	1.50	2.79	1.95	2.13	1.76
1969-70 SE OF P-VAL	1.02	2.06	1.46	2.20	1.70	1.46	1.38	1.15	3.26	7.22	4.56	2.42	1.41	1.16	5.51	5.56	5.12	1.19	1.74	3.02	1.87	2.14
SE OF CHANGE P-VALUE	1.34	2.31	2.20	2.89	2.65	1.78	1.86	1.54	4.09	7.90	5.91	4.00	1.99	1.51	6.30	6.16	6.33	1.91	3.29	3.59	2.83	2.77
1972-73 DELTA-P		-4.86#	3.75*	0.40	1.77	-1.00	0.97	-1.21#	7.34#	4.11	8.02*	7.26#	1.32	-3.54#	0.80	2.40	4.31	-3.70*	2.98	-4.47*	4.93*	-0.61
1969-70 DELTA-P		-1.34	-1.48	0.86	1.18	-0.86	0.79	-1.28	3.45	13.75	13.48#	1.56	-0.72	-1.86	1.19	6.07	4.07	-4.48#	-3.13	3.36	-0.67	-0.59
CHANGE DELTA-P		-3.52	5.23*	-0.46	0.59	-0.14	0.18	0.07	3.89	-9.64	-5.46	5.70	2.04	-1.68	-0.39	-3.67	0.24	0.78	6.11	-7.83*	5.60*	-0.02
1972-73 SE OF DP		1.11	1.53	1.57	1.64	0.74	0.73	0.38	2.49	3.18	3.56	2.89	1.18	0.73	2.98	2.72	3.58	1.52	2.68	1.92	2.10	1.27
1969-70 SE OF DP		1.80	1.52	1.67	1.52	1.03	0.94	0.75	3.05	7.06	4.12	2.00	1.01	1.00	5.56	5.39	4.85	1.40	1.86	2.82	1.84	1.77
SE OF CHANGE DELTA-P		2.11	2.16	2.29	2.24	1.27	1.19	0.84	3.94	7.74	5.44	3.51	1.55	1.24	6.31	6.04	6.03	2.07	3.26	3.41	2.79	2.18

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101127-23

72-73 Report #: UP142
69-70 Report #: U714, U808

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	09-16	07-01
69-70 Package-Exercise:	09-04	10-11
72-73 National P-val: UP142	69.70	81.47
69-70 National P-value: UP142	71.46	78.37
Timing: (in seconds)		
Stimulus:	11	10
Response:	9	10
I don't know:	5	5
Pause:	6	5
UP142 Exercise total:	31	30

EXERCISE: 101127-23 UP142

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.27	0.23	0.54	0.33	0.00	0.45	0.08	0.19	0.99	0.00	0.39	0.00	0.41	0.09	0.56	0.39	0.71	0.00	0.00	0.13	1.13	0.07
1969-70 P-VALUE	0.14	0.48	0.00	0.00	0.07	0.21	0.07	0.13	0.00	0.68	0.00	0.00	0.00	0.04	1.31	0.00	0.26	0.00	0.13	0.00	0.00	0.32
CHANGE P-VALUE	0.13	-0.25	0.54	0.33	-0.07	0.24	0.01	0.06	0.99*	-0.68	0.39	0.00	0.41	0.05	-0.75	0.39	0.45	0.00	-0.13	0.13	1.13	-0.25
1972-73 SE OF P-VAL	0.10	0.17	0.28	0.25	0.00	0.18	0.06	0.10	0.47	0.00	0.40	0.00	0.23	0.09	0.36	0.28	0.53	0.00	0.00	0.14	0.57	0.08
1969-70 SE OF P-VAL	0.11	0.39	0.00	0.00	0.07	0.21	0.06	0.13	0.00	0.51	0.00	0.00	0.00	0.04	1.08	0.00	0.26	0.00	0.14	0.00	0.00	0.32
SE OF CHANGE P-VALUE	0.15	0.43	0.28	0.25	0.07	0.28	0.08	0.16	0.47	0.51	0.40	0.00	0.23	0.10	1.14	0.28	0.59	0.00	0.14	0.14	0.57	0.33
1972-73 DELTA-P		-0.04	0.27	0.06	-0.27#	0.18*	-0.19	-0.08	0.72	-0.27#	0.12	-0.27#	0.14	-0.18	0.29	0.12	0.44	-0.27#	-0.27#	-0.14	0.86	-0.20
1969-70 DELTA-P		0.34	-0.14	-0.14	-0.07	0.07	-0.07	-0.01	-0.14	0.54	-0.14	-0.14	-0.14	-0.10	1.17	-0.14	0.12	-0.14	-0.01	-0.14	-0.14	0.18
CHANGE DELTA-P		-0.38	0.41	0.20	-0.20	0.11	-0.12	-0.07	0.86	-0.81	0.26	-0.13	0.28	-0.08	-0.88	0.26	0.32	-0.13	-0.26	0.00	1.00*	-0.38
1972-73 SE OF DP		0.16	0.23	0.20	0.10	0.09	0.10	0.05	0.43	0.10	0.38	0.10	0.18	0.11	0.32	0.26	0.50	0.10	0.10	0.15	0.49	0.11
1969-70 SE OF DP		0.29	0.11	0.11	0.12	0.11	0.11	0.04	0.11	0.49	0.11	0.11	0.11	0.11	0.98	0.11	0.26	0.11	0.16	0.11	0.11	0.22
SE OF CHANGE DALTA-P		0.33	0.25	0.23	0.16	0.14	0.15	0.06	0.44	0.50	0.40	0.15	0.21	0.16	1.03	0.28	0.56	0.15	0.19	0.19	0.50	0.25
AGE: 17																						
1972-73 P-VALUE	0.13	0.20	0.36	0.00	0.00	0.22	0.05	0.06	0.65	0.00	0.40	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.23
1969-70 P-VALUE	0.22	0.00	0.55	0.00	0.46	0.12	0.12	0.22	0.00	0.60	0.00	0.00	0.20	0.27	2.54	0.00	0.00	0.00	0.29	1.20	0.40	0.00
CHANGE P-VALUE	-0.09	0.20	-0.19	0.00	-0.46	-0.10	-0.07	-0.16	0.65	-0.60	0.40	0.00	0.12	-0.27	-2.54	0.00	0.00	0.00	0.28	-1.20	-0.40	0.23
1972-73 SE OF P-VAL	0.08	0.19	0.26	0.00	0.00	0.15	0.05	0.06	0.49	0.00	0.41	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.16
1969-70 SE OF P-VAL	0.14	0.00	0.41	0.00	0.44	0.26	0.12	0.16	0.00	0.61	0.00	0.00	0.20	0.27	2.51	0.00	0.00	0.00	0.29	1.12	0.39	0.00
SE OF CHANGE P-VALUE	0.16	0.19	0.49	0.00	0.44	0.30	0.13	0.17	0.49	0.61	0.41	0.00	0.30	0.27	2.51	0.00	0.00	0.00	0.64	1.12	0.39	0.16
1972-73 DELTA-P		0.07	0.23	-0.13	-0.13	0.09	-0.08	-0.07	0.52	-0.13	0.27	-0.13	0.19	-0.13	-0.13	-0.13	-0.13	-0.13	0.44	-0.13	-0.13	0.10
1969-70 DELTA-P		-0.22	0.33	-0.22	0.24	0.10	-0.10	0.00	-0.22	0.38	-0.22	-0.22	-0.02	0.05	2.32	-0.22	-0.22	-0.22	0.07	0.98	0.18	-0.22
CHANGE DELTA-P		0.29	-0.10	0.09	-0.37	-0.01	0.02	-0.07	0.74	-0.51	0.49	0.09	0.21	-0.18	-2.45	0.09	0.09	0.09	0.37	-1.11	-0.31	0.32
1972-73 SE OF DP		0.15	0.21	0.08	0.08	0.08	0.07	0.06	0.43	0.08	0.39	0.08	0.16	0.08	0.08	0.08	0.08	0.08	0.52	0.08	0.08	0.12
1969-70 SE OF DP		0.14	0.36	0.14	0.33	0.15	0.14	0.04	0.14	0.60	0.14	0.14	0.18	0.17	2.50	0.14	0.14	0.14	0.29	1.01	0.35	0.14
SE OF CHANGE DELTA-P		0.21	0.42	0.16	0.34	0.17	0.16	0.07	0.45	0.61	0.41	0.16	0.24	0.19	2.50	0.16	0.16	0.16	0.60	1.01	0.36	0.18
RESPONSE: 05* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	69.70	71.56	65.44	70.72	70.85	71.28	67.99	73.31	44.99	66.99	62.15	66.97	71.58	75.22	55.56	72.61	51.34	78.33	66.63	69.72	70.27	69.67
1969-70 P-VALUE	71.46	73.70	68.75	73.27	69.62	75.46	67.49	74.59	57.39	65.22	53.64	69.31	70.19	75.28	69.56	62.50	65.08	72.92	78.14	73.23	76.32	69.93
CHANGE P-VALUE	-1.76	-2.14	-3.31	-2.55	1.23	-4.18	0.50	-1.28	-12.40*	1.77	8.51	-2.34	1.39	-0.06	-14.00*	10.11	-13.74	5.41	-11.51#	-3.51	-6.05	-0.26
1972-73 SE OF P-VAL	1.38	2.56	3.14	3.13	2.34	1.82	1.81	1.38	2.91	3.67	4.58	3.28	1.85	1.87	4.21	4.23	6.26	2.93	3.01	4.08	4.73	2.61
1969-70 SE OF P-VAL	1.42	2.17	4.14	2.52	2.15	1.79	2.28	1.15	4.13	4.19	6.63	3.67	1.84	1.62	4.78	4.05	3.25	3.88	2.95	3.00	2.81	2.45
SE OF CHANGE P-VALUE	1.98	3.36	5.20	4.02	3.18	2.55	2.91	1.80	5.05	5.57	8.06	4.92	2.61	2.47	6.37	6.14	7.05	4.86	4.21	5.06	5.50	3.59
1972-73 DELTA-P		1.86	-4.26	1.02	1.15	1.58	-1.71	3.61#	-24.71#	-2.71	-7.55	-2.73	1.88	5.52#	-14.10#	2.91	-18.36#	8.63#	-3.07	0.02	0.57	-0.03
1969-70 DELTA-P		2.24	-2.71	1.81	-1.84	4.00#	-3.97#	3.13#	-14.07#	-6.24	-17.82#	-2.15	-1.27	3.82#	-1.90	-8.96*	-6.38	1.46	6.68*	1.77	4.86	-1.53
CHANGE DELTA-P		-0.38	-1.55	-0.79	2.99	-2.42	2.26	0.48	-10.64*	3.53	10.27	-0.58	3.15	1.70	-12.24*	11.87*	-11.98	7.17	-9.75*	-1.75	-4.29	1.50
1972-73 SE OF DP		2.30	2.72	2.57	2.14	1.15	1.23	0.60	2.60	3.50	5.03	2.91	1.41	1.33	3.50	4.35	6.15	2.77	3.18	3.77	4.24	2.10
1969-70 SE OF DP		2.05	3.34	2.22	2.07	1.48	1.48	0.95	3.38	3.99	6.05	2.96	1.29	1.48	4.51	3.83	3.24	3.98	2.89	2.95	2.65	1.82
SE OF CHANGE DELTA-P		2.08	4.31	3.40	2.98	1.87	1.92	1.12	4.26	5.31	7.87	4.15	1.91	1.99	5.71	5.80	6.95	4.85	4.30	4.79	5.00	2.78

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101127-23 UP142

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	81.47	85.62	83.26	80.64	76.26	84.98	78.35	84.80	64.82	67.13	70.74	75.30	82.09	84.97	73.19	77.19	68.18	89.87	79.02	85.39	81.98	81.88
1969-70 P-VALUE	78.37	80.79	71.58	77.91	81.30	83.04	74.08	80.45	62.77	71.89	63.16	73.65	79.57	81.39	70.81	71.90	72.69	84.66	78.90	85.79	78.38	76.94
CHANGE P-VALUE	3.10	4.83	11.68#	2.73	-5.04	1.94	4.27	4.35#	2.05	-4.76	7.58	1.65	2.52	3.58	2.38	5.29	-4.51	5.21	0.12	-0.40	3.60	4.94
1972-73 SE OF P-VAL	1.23	2.02	2.23	2.09	2.85	1.26	1.60	1.09	3.17	6.21	5.34	3.67	1.82	1.44	6.08	3.99	4.57	2.12	3.90	3.67	2.47	2.07
1969-70 SE OF P-VAL	1.09	2.40	2.46	2.10	2.02	1.36	1.56	1.15	4.86	2.65	4.83	2.75	1.82	1.69	8.63	3.55	6.44	3.06	3.97	2.54	2.93	2.15
SE OF CHANGE P-VALUE	1.64	3.14	3.32	2.96	3.49	1.85	2.23	1.58	5.80	6.75	7.20	4.59	2.57	2.22	10.56	5.34	7.90	3.72	5.57	4.46	3.83	2.98
1972-73 DELTA-P		4.15*	1.79	-0.83	-5.21*	3.51#	-3.12#	3.33#	-16.65#	-14.34#	-10.73*	-6.17	0.62	3.50#	-8.28	-4.28	-13.29#	8.40#	-2.45	3.92	0.51	0.41
1969-70 DELTA-P		2.42	-6.79#	-0.46	2.93	4.67#	-4.29#	2.08#	-15.60#	-6.48*	-15.21#	-4.72	1.20	3.02*	-7.56	-6.47	-5.68	6.29*	0.53	7.42#	0.01	-1.43
CHANGE DELTA-P		1.73	8.58#	-0.37	-8.14#	-1.16	1.17	1.25	-1.05	-7.86	4.48	-1.45	-0.58	0.48	-0.72	2.19	-7.61	2.11	-2.98	-3.50	0.50	1.84
1972-73 SE OF DP		1.77	2.10	1.88	2.30	0.86	0.74	0.66	2.86	5.65	5.00	3.50	1.59	1.09	5.55	3.72	4.35	2.57	3.86	3.36	2.16	1.58
1969-70 SE OF DP		2.05	2.33	1.70	1.79	1.02	0.93	0.55	4.66	2.67	4.78	2.66	1.47	1.30	8.40	3.47	6.11	3.09	3.70	2.63	2.90	1.78
SE OF CHANGE DELTA-P		2.71	3.14	2.53	2.91	1.33	1.19	0.86	5.47	6.25	6.92	4.40	2.17	1.70	10.07	5.09	7.50	4.02	5.35	4.27	3.62	2.38
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.20	7.22	8.85	7.37	9.35	8.27	8.13	7.69	10.48	10.51	14.21	8.36	6.92	5.84	14.49	6.78	12.52	6.77	5.21	8.58	8.21	9.13
1969-70 P-VALUE	9.45	9.90	6.02	9.12	12.33	9.64	9.29	9.25	8.49	14.52	9.71	11.13	9.35	8.18	13.10	12.50	7.99	9.13	6.55	6.95	11.03	10.25
CHANGE P-VALUE	-1.25	-2.68	2.83	-1.75	-2.98	-1.37	-1.16	-1.56	1.99	-4.01	4.50	-2.77	-2.43	-2.34	1.39	-5.72	4.53	-2.36	-1.34	1.63	-2.82	-1.12
1972-73 SE OF P-VAL	0.67	1.24	1.46	1.40	1.19	0.95	0.80	0.76	2.09	2.23	3.18	2.02	0.88	0.92	2.20	2.01	2.78	1.57	1.45	1.81	2.10	1.24
1969-70 SE OF P-VAL	0.73	1.08	1.10	1.79	1.64	1.08	1.11	0.80	1.48	3.24	3.58	2.22	1.12	1.00	2.78	3.39	2.31	2.41	1.62	1.40	1.94	1.41
SE OF CHANGE P-VALUE	0.99	1.64	1.83	2.27	2.03	1.44	1.37	1.10	2.56	3.93	4.79	3.00	1.42	1.36	3.55	3.94	3.61	2.88	2.17	2.29	2.86	1.88
1972-73 DELTA-P		-0.98	0.65	-0.83	1.15	0.07	-0.07	-0.51	2.28	2.31	6.01	0.16	-1.28	-2.36#	6.29#	-1.42	4.32	-1.43	-2.99	0.38	0.01	0.93
1969-70 DELTA-P		0.45	-3.43#	-0.33	2.88*	0.19	-0.16	-0.20	-0.96	5.07	0.26	1.68	-0.10	-1.27	3.65	3.05	-1.46	-0.32	-2.90	-2.50	1.58	0.80
CHANGE DELTA-P		-1.43	4.08*	-0.50	-1.73	-0.12	0.09	-0.31	3.24	-2.76	5.75	-1.52	-1.18	-1.09	2.64	-4.47	5.78	-1.11	-0.09	2.88	-1.57	0.13
1972-73 SE OF DP		1.12	1.25	1.17	1.05	0.55	0.60	0.33	1.97	2.22	3.11	1.90	0.59	0.70	2.01	1.85	2.73	1.54	1.53	1.68	2.02	0.96
1969-70 SE OF DP		1.04	1.09	1.44	1.39	0.81	0.81	0.32	1.36	3.12	3.33	2.15	0.89	0.70	2.62	3.17	2.25	2.37	1.60	1.40	1.77	1.18
SE OF CHANGE DELTA-P		1.53	1.66	1.86	1.74	0.98	1.01	0.46	2.39	3.83	4.56	2.87	1.13	0.99	3.30	3.67	3.54	2.83	2.21	2.19	2.69	1.52
AGE: 17																						
1972-73 P-VALUE	3.97	4.90	2.29	2.88	5.53	3.77	4.15	3.74	5.39	4.30	3.08	3.82	3.36	3.88	8.90	2.40	5.35	1.99	4.36	3.60	4.67	4.49
1969-70 P-VALUE	5.09	6.52	5.97	3.66	4.92	5.01	5.16	4.86	7.26	5.17	9.94	4.02	4.89	4.99	3.61	3.84	5.37	4.85	3.22	5.84	6.07	5.40
CHANGE P-VALUE	-1.12	-1.62	-3.68*	-0.78	0.61	-1.24	-1.01	-1.12	-1.87	-0.87	-6.86*	-0.20	-1.53	-1.11	5.29	-1.44	-0.02	-2.86	1.14	-2.24	-1.40	-0.91
1972-73 SE OF P-VAL	0.51	1.08	0.69	0.99	1.14	0.71	0.65	0.58	1.36	2.07	1.37	1.68	0.94	0.79	2.90	0.88	2.09	1.06	2.25	1.19	1.25	1.07
1969-70 SE OF P-VAL	0.59	1.53	1.40	0.84	1.09	0.78	0.74	0.64	2.32	1.86	2.70	1.05	1.02	0.78	2.84	1.96	2.64	1.83	0.88	1.33	1.82	1.16
SE OF CHANGE P-VALUE	0.78	1.87	1.56	1.30	1.58	1.05	0.98	0.86	2.69	2.78	3.03	1.98	1.39	1.11	4.06	2.15	3.37	2.11	2.42	1.78	2.21	1.58
1972-73 DELTA-P		0.93	-1.68*	-1.09	1.56	-0.20	0.18	-0.23	1.42	0.33	-0.89	-0.15	-0.61	-0.09	4.93	-1.57	1.38	-1.98	0.39	-0.37	0.70	0.52
1969-70 DELTA-P		1.43	0.88	-1.43	-0.17	-0.08	0.07	-0.23	2.17	0.08	4.85	-1.07	-0.20	-0.10	-1.48	-1.25	0.28	-0.24	-1.87	0.75	0.98	0.31
CHANGE DELTA-P		-0.50	-2.56	0.34	1.73	-0.12	0.11	0.00	-0.75	0.25	-5.74	0.92	-0.41	0.01	6.41	-0.32	1.10	-1.74	2.26	-1.12	-0.28	0.21
1972-73 SE OF DP		0.90	0.74	0.85	0.93	0.48	0.42	0.23	1.30	2.07	1.43	1.75	0.74	0.58	2.73	0.89	1.99	1.13	2.13	1.07	1.24	0.83
1969-70 SE OF DP		1.24	1.28	0.78	0.97	0.50	0.45	0.26	2.21	1.79	2.60	0.96	0.69	0.59	2.92	1.96	2.54	1.72	0.97	1.32	1.67	0.89
SE OF CHANGE DELTA-P		1.53	1.48	1.15	1.34	0.69	0.62	0.35	2.56	2.74	2.97	2.00	1.01	0.83	4.00	2.15	3.23	2.06	2.34	1.70	2.08	1.22

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101130-3

72-73 Report #: UB143
69-70 Report #: U850

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	10-26
69-70 Package-Exercise:	01-02
72-73 National P-val:	
UB143	3.24
69-70 National P-value:	
UB143	5.52
Timing: (in seconds)	
Stimulus:	11
Response:	24
I don't know:	5
Pause:	5
UB143 Exercise total:	45

EXERCISE: 901130-3   0B143

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

EXERCISE: 901130-3 0B143	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.24	0.47	0.34	0.17	0.00	0.20	0.28	0.12	0.91	0.48	0.00	0.00	0.29	0.00	2.14	0.00	1.73	0.26	0.39	0.00	0.19	0.07
1969-70 P-VALUE	0.29	0.21	0.00	0.41	0.42	0.11	0.48	0.29	0.00	0.73	0.74	0.39	0.11	0.36	0.00	0.96	0.66	0.00	0.00	0.31	0.22	0.17
CHANGE P-VALUE	-0.05	0.26	0.34	-0.24	-0.42	0.09	-0.20	-0.17	0.91	-0.25	-0.74	-0.39	0.18	-0.36	2.14*	-0.96	1.07	0.26	0.39	-0.31	-0.03	-0.10
1972-73 SE OF P-VAL	0.09	0.28	0.20	0.12	0.00	0.10	0.14	0.06	0.54	0.47	0.00	0.00	0.18	0.00	0.98	0.00	0.90	0.24	0.31	0.00	0.19	0.07
1969-70 SE OF P-VAL	0.13	0.21	0.00	0.30	0.25	0.11	0.23	0.14	0.00	0.74	0.74	0.39	0.11	0.22	0.00	0.71	0.69	0.00	0.00	0.35	0.22	0.17
SE OF CHANGE P-VALUE	0.16	0.35	0.20	0.32	0.25	0.15	0.27	0.15	0.54	0.88	0.74	0.39	0.21	0.22	0.98	0.71	1.13	0.24	0.31	0.35	0.29	0.18
1972-73 DELTA-P		0.23	0.10	-0.07	-0.24#	-0.04	0.04	-0.12	0.67	0.24	-0.24#	-0.24#	0.05	-0.24#	1.90*	-0.24#	1.49	0.02	0.15	-0.24#	-0.05	-0.17
1969-70 DELTA-P		-0.08	-0.29*	0.12	0.13	-0.18	0.19	0.00	-0.29*	0.44	0.45	0.10	-0.18	0.07	-0.29*	0.67	0.37	-0.29*	-0.29*	0.02	-0.07	-0.12
CHANGE DELTA-P		0.31	0.39	-0.19	-0.37	0.14	-0.15	-0.12	0.96	-0.20	-0.69	-0.34	0.23	-0.31	2.19*	-0.91	1.12	0.31	0.44	-0.26	0.02	-0.05
1972-73 SE OF DP		0.21	0.18	0.12	0.09	0.09	0.08	0.08	0.47	0.45	0.09	0.09	0.14	0.09	0.92	0.09	0.83	0.23	0.30	0.09	0.18	0.10
1969-70 SE OF DP		0.19	0.13	0.22	0.22	0.13	0.13	0.04	0.13	0.71	0.72	0.35	0.14	0.14	0.13	0.63	0.65	0.13	0.13	0.34	0.22	0.16
SE OF CHANGE DELTA-P		0.28	0.22	0.25	0.24	0.16	0.15	0.09	0.49	0.84	0.73	0.36	0.20	0.17	0.93	0.64	1.05	0.26	0.33	0.35	0.28	0.19
RESPONSE: 02* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	3.24	5.44	2.84	2.12	2.64	3.50	3.00	3.01	3.90	5.03	5.61	3.07	3.73	2.48	3.84	3.70	5.79	3.84	3.88	2.15	2.00	3.32
1969-70 P-VALUE	5.52	4.71	2.45	8.28	4.82	5.66	5.38	5.68	3.63	5.84	5.64	4.73	6.75	4.69	12.75	11.45	3.39	3.51	5.07	9.84	2.58	4.29
CHANGE P-VALUE	-2.28*	0.73	0.39	-6.16*	-2.18	-2.16	-2.38*	-2.67*	0.27	-0.81	-0.03	-1.66	-3.02	-2.21*	-8.91	-7.75	2.40	0.33	-1.19	-7.69#	-0.58	-0.97
1972-73 SE OF P-VAL	0.53	1.68	0.77	0.77	0.78	0.70	0.67	0.53	1.42	2.15	2.29	1.25	0.95	0.53	1.63	1.58	2.53	1.39	2.06	0.82	0.75	0.78
1969-70 SE OF P-VAL	0.88	0.96	0.50	2.39	1.00	1.07	0.92	0.96	1.19	3.24	2.32	1.46	1.73	0.79	10.38	4.32	1.53	1.27	1.48	2.00	0.84	1.21
SE OF CHANGE P-VALUE	1.03	1.93	0.92	2.51	1.27	1.28	1.14	1.10	1.85	3.89	3.26	1.92	1.97	0.95	10.51	4.60	2.96	1.88	2.54	2.16	1.13	1.44
1972-73 DELTA-P		2.20	-0.40	-1.12	-0.60	0.26	-0.24	-0.23	0.66	1.79	2.37	-0.17	0.49	-0.76	0.60	0.46	2.55	0.60	0.64	-1.09	-1.24	0.08
1969-70 DELTA-P		-0.81	-3.07#	2.76	-0.70	0.14	-0.14	0.16	-1.89	0.32	0.12	-0.79	1.23	-0.83	7.23	5.93	-2.13	-2.01	-0.45	4.32*	-2.94#	-1.23
CHANGE DELTA-P		3.01	2.67*	-3.88*	0.10	0.12	-0.10	-0.39	2.55	1.47	2.25	0.62	-0.74	0.07	-6.63	-5.47	4.68	2.61	1.09	-5.41*	1.70	1.31
1972-73 SE OF DP		1.31	0.79	0.73	0.77	0.45	0.41	0.22	1.18	2.07	2.06	1.15	0.66	0.44	1.61	1.48	2.30	1.30	1.86	0.81	0.74	0.60
1969-70 SE OF DP		1.10	0.99	1.63	1.15	0.47	0.48	0.23	1.34	3.11	2.45	1.48	1.02	0.59	10.41	3.66	1.74	1.44	1.63	2.09	1.06	1.17
SE OF CHANGE DELTA-P		1.71	1.27	1.79	1.38	0.65	0.63	0.32	1.79	3.74	3.20	1.87	1.21	0.74	10.53	3.95	2.88	1.94	2.47	2.24	1.29	1.31
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.58	6.49	4.14	4.52	3.09	3.83	5.26	4.39	6.99	1.87	2.06	5.34	4.36	4.44	7.72	5.08	2.09	2.87	7.28	6.17	5.57	3.79
1969-70 P-VALUE	3.02	3.42	1.79	3.82	2.40	2.53	3.53	3.18	2.17	1.65	2.00	3.55	2.22	3.62	0.00	3.48	1.28	3.63	3.96	3.02	2.79	2.68
CHANGE P-VALUE	1.56*	3.07	2.35#	0.70	0.69	1.30	1.73	1.21	4.82#	0.22	0.06	1.79	2.14*	0.82	7.72#	1.60	0.81	-0.76	3.32	3.15	2.78	1.11
1972-73 SE OF P-VAL	0.57	1.68	0.66	1.05	0.52	0.63	0.90	0.69	1.44	0.96	0.86	1.83	0.82	0.85	2.45	2.48	0.67	1.28	1.68	1.76	1.44	0.95
1969-70 SE OF P-VAL	0.38	0.58	0.64	0.82	0.69	0.62	0.74	0.40	1.07	1.45	1.42	1.78	0.58	0.71	0.00	1.21	1.16	0.94	1.53	0.93	1.13	0.55
SE OF CHANGE P-VALUE	0.69	1.78	0.92	1.33	0.86	0.88	1.17	0.80	1.79	1.74	1.66	2.55	1.00	1.11	2.45	2.76	1.34	1.59	2.27	1.99	1.83	1.10
1972-73 DELTA-P		1.91	-0.44	-0.06	-1.49*	-0.75	0.68	-0.19	2.41	-2.71#	-2.52#	0.76	-0.22	-0.14	3.14	0.50	-2.49#	-1.71	2.70	1.59	0.99	-0.79
1969-70 DELTA-P		0.40	-1.23	0.80	-0.62	-0.49	0.51	0.16	-0.85	-1.37	-1.02	0.53	-0.80	0.60	-3.02#	0.46	-1.74	0.61	0.94	0.00	-0.23	-0.34
CHANGE DELTA-P		1.51	0.79	-0.86	-0.87	-0.26	0.17	-0.35	3.26	-1.34	-1.50	0.23	0.58	-0.74	6.16#	0.04	-0.75	-2.32	1.76	1.59	1.22	-0.45
1972-73 SE OF DP		1.30	0.76	0.89	0.67	0.57	0.51	0.25	1.44	1.07	0.98	1.77	0.74	0.50	2.24	2.30	0.87	1.36	1.66	1.54	1.32	0.75
1969-70 SE OF DP		0.55	0.65	0.60	0.60	0.56	0.57	0.13	1.01	1.43	1.40	1.69	0.55	0.58	0.38	1.16	1.14	0.87	1.42	0.85	1.01	0.52
SE OF CHANGE DELTA-P		1.41	1.00	1.07	0.90	0.80	0.76	0.28	1.76	1.79	1.71	2.45	0.92	0.77	2.27	2.58	1.43	1.61	2.18	1.76	1.66	0.91

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101132-3

72-73 Report #: UB144
69-70 Report #: U805

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	04-15
69-70 Package-Exercise:	03-01
72-73 National P-val:	
UB144	79.25
69-70 National P-value:	
UB144	88.42

Timing: (in seconds)		
	Stimulus:	12
	Response:	23
	I don't know:	5
	Pause:	6
UB144	Exercise total:	46

EXERCISE: 101132-3   DB144

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.37	0.76	0.23	0.22	0.21	0.48	0.26	0.41	0.00	0.48	0.00	0.00	0.50	0.00	3.62	0.00	0.88	1.53	0.00	0.42	0.00	0.15
1969-70 P-VALUE	0.18	0.00	0.00	0.44	0.15	0.00	0.34	0.08	1.46	0.00	0.00	0.00	0.12	0.14	5.60	0.00	0.56	0.00	0.00	0.50	0.52	0.00
CHANGE P-VALUE	0.19	0.76	0.23	-0.22	0.06	0.48*	-0.08	0.33	-1.46	0.48	0.00	0.00	0.38	-0.14	-1.98	0.00	0.32	1.53	0.00	-0.08	-0.52	0.15
1972-73 SE OF P-VAL	0.17	0.54	0.23	0.21	0.21	0.21	0.21	0.21	0.00	0.49	0.06	0.00	0.29	0.00	2.45	0.00	0.66	1.32	0.00	0.39	0.00	0.15
1969-70 SE OF P-VAL	0.11	0.00	0.00	0.31	0.15	0.00	0.20	0.07	1.11	0.00	0.00	0.00	0.11	0.13	5.82	0.00	0.55	0.00	0.00	0.51	0.53	0.00
SE OF CHANGE P-VALUE	0.20	0.54	0.23	0.37	0.26	0.21	0.29	0.22	1.11	0.49	0.00	0.00	0.31	0.13	6.31	0.00	0.86	1.32	0.00	0.64	0.53	0.15
1972-73 DELTA-P		0.39	-0.14	-0.15	-0.16	0.11	-0.11	0.04	-0.37*	0.11	-0.37*	-0.37*	0.13	-0.37*	3.25	-0.37*	0.51	1.16	-0.37*	0.05	-0.37*	-0.22
1969-70 DELTA-P		-0.18	-0.18	0.26	-0.03	-0.18	0.16	-0.10	1.28	-0.18	-0.18	-0.18	-0.06	-0.04	5.42	-0.18	0.38	-0.18	-0.18	0.32	0.34	-0.18
CHANGE DELTA-P		0.57	0.04	-0.41	-0.13	0.29	-0.27	0.14	-1.65	0.29	-0.19	-0.19	0.19	-0.33	-2.17	-0.19	0.13	1.34	-0.19	-0.27	-0.71	-0.04
1972-73 SE OF DP		0.41	0.25	0.22	0.23	0.12	0.13	0.04	0.17	0.50	0.17	0.17	0.24	0.17	2.30	0.17	0.62	1.10	0.17	0.38	0.17	0.19
1969-70 SE OF DP		0.11	0.11	0.22	0.15	0.11	0.10	0.09	1.03	0.11	0.11	0.11	0.12	0.11	5.74	0.11	0.52	0.11	0.11	0.46	0.46	0.11
SE OF CHANGE DELTA-P		0.42	0.27	0.31	0.27	0.16	0.16	0.10	1.04	0.51	0.20	0.20	0.27	0.20	6.18	0.20	0.81	1.19	0.20	0.60	0.49	0.22
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	79.25	85.10	75.49	79.21	75.46	80.02	78.46	82.16	61.47	71.89	65.23	69.08	78.60	85.07	66.92	73.00	66.62	86.92	80.72	79.67	81.21	79.70
1969-70 P-VALUE	88.42	91.99	85.68	87.29	87.99	88.07	88.74	90.44	75.15	78.69	77.33	82.31	87.01	93.26	67.59	80.54	77.44	93.46	92.90	88.46	87.83	90.26
CHANGE P-VALUE	-9.17#	-6.89#	-10.19#	-8.08#	-12.53#	-8.05#	-10.28#	-8.29#	-13.68#	-6.80	-12.10*	-13.23#	-8.41#	-8.19#	-0.67	-7.54	-10.82*	-6.54	-12.18#	-8.79*	-6.62	-10.56#
1972-73 SE OF P-VAL	1.05	1.61	2.30	2.17	2.29	1.46	1.40	1.05	2.59	3.12	4.08	3.32	1.81	1.24	4.33	3.94	3.15	3.05	2.67	3.11	3.34	1.53
1969-70 SE OF P-VAL	0.86	1.42	2.47	1.62	1.46	1.17	1.26	0.79	3.10	6.99	4.36	2.48	1.62	0.96	9.02	3.69	3.75	1.72	1.71	1.89	2.77	1.31
SE OF CHANGE P-VALUE	1.36	2.15	3.38	2.71	2.72	1.87	1.88	1.31	4.04	7.65	5.97	4.12	2.43	1.57	10.01	5.40	4.90	3.50	3.17	3.64	4.34	2.01
1972-73 DELTA-P		5.85#	-3.76	-0.04	-3.79	0.77	-0.79	2.91#	-17.78#	-7.36*	-14.02#	-10.17#	-0.65	5.82#	-12.33#	-6.25	-12.63#	7.67#	1.47	0.42	1.96	0.45
1969-70 DELTA-P		3.57#	-2.74	-1.13	-0.43	-0.35	0.32	2.02#	-13.27#	-9.73	-11.09#	-6.11#	-1.41	4.84#	-20.83*	-7.88*	-10.98#	5.04#	4.48#	0.04	-0.59	1.84
CHANGE DELTA-P		2.28	-1.02	1.09	-3.36	1.12	-1.11	0.89	-4.51	2.37	-2.93	-4.06	0.76	0.98	8.50	1.63	-1.65	2.63	-3.01	0.38	2.55	-1.39
1972-73 SE OF DP		1.53	2.09	1.72	1.98	0.94	0.99	0.50	2.62	3.22	3.80	3.14	1.58	0.86	4.05	3.76	3.04	2.72	2.70	3.00	3.04	1.56
1969-70 SE OF DP		1.29	2.17	1.31	1.35	0.90	0.82	0.58	3.03	6.62	4.32	2.15	1.28	0.95	8.86	3.38	3.65	1.73	1.79	1.88	2.44	1.19
SE OF CHANGE DELTA-P		2.00	3.01	2.16	2.40	1.30	1.29	0.77	4.01	7.36	5.75	3.81	2.03	1.28	9.74	5.06	4.75	3.22	3.24	3.54	3.90	1.96
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.89	4.05	3.98	3.93	7.91	3.60	6.21	4.77	5.89	4.51	5.40	4.64	4.36	4.66	9.53	4.59	5.61	3.09	6.15	7.26	3.87	4.46
1969-70 P-VALUE	2.97	1.87	2.64	3.73	3.36	2.99	2.95	2.88	3.10	3.87	6.34	4.18	3.33	1.56	15.88	4.01	4.54	1.23	1.48	6.00	1.80	2.89
CHANGE P-VALUE	1.92#	2.18#	1.34	0.20	4.55*	0.61	3.26#	1.89#	2.79	0.64	-0.94	0.46	1.03	3.10#	-6.35	0.58	1.07	1.86	4.67*	1.26	2.07	1.57
1972-73 SE OF P-VAL	0.43	0.59	0.66	0.59	1.39	0.58	0.87	0.45	1.36	1.49	2.14	1.24	0.78	0.68	2.87	0.93	1.77	1.23	1.76	1.36	0.76	0.74
1969-70 SE OF P-VAL	0.47	0.56	0.82	0.88	1.20	0.69	0.54	0.51	1.02	2.06	2.80	1.25	0.76	0.50	10.08	1.46	1.70	0.72	0.81	2.13	0.74	0.82
SE OF CHANGE P-VALUE	0.64	0.81	1.05	1.06	1.84	0.90	1.02	0.68	1.70	2.54	3.52	1.76	1.09	0.84	10.49	1.73	2.45	1.43	1.94	2.53	1.06	1.10
1972-73 DELTA-P		-0.84	-0.91	-0.96	3.02#	-1.29*	1.32*	-0.12	1.00	-0.38	0.51	-0.25	-0.53	-0.23	4.64	-0.30	0.72	-1.80	1.26	2.37	-1.02	-0.43
1969-70 DELTA-P		-1.10	-0.33	0.76	0.39	0.02	-0.02	-0.09	0.13	0.90	3.37	1.21	0.36	-1.41#	12.91	1.04	1.57	-1.74*	-1.49	3.03	-1.17	-0.08
CHANGE DELTA-P		0.26	-0.58	-1.72	2.63	-1.31	1.34	-0.03	0.87	-1.28	-2.86	-1.46	-0.89	1.18	-8.27	-1.34	-0.85	-0.06	2.75	-0.66	0.15	-0.35
1972-73 SE OF DP		0.58	0.68	0.57	1.10	0.59	0.62	0.20	1.23	1.47	2.03	1.21	0.78	0.50	2.74	0.88	1.66	1.19	1.65	1.26	0.77	0.60
1969-70 SE OF DP		0.61	0.80	0.71	0.95	0.42	0.38	0.17	1.03	1.94	2.70	1.21	0.67	0.37	9.86	1.35	1.65	0.80	0.83	1.90	0.77	0.69
SE OF CHANGE DELTA-P		0.84	1.05	0.91	1.45	0.72	0.73	0.26	1.60	2.43	3.38	1.71	1.03	0.62	10.23	1.61	2.34	1.43	1.85	2.28	1.09	0.91

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101140-3

72-73 Report #: UB145
69-70 Report #: U803

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	05-15
69-70 Package-Exercise:	06-12
72-73 National P-val:	
UB145	90.07
69-70 National P-value:	
UB145	93.28

Timing: (in seconds)

	Stimulus:	15
	Response:	19
	I don't know:	5
	Pause:	6
UB145	Exercise total:	45

EXERCISE: 101140-3 0B145

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	0.15	0.31	0.07	0.19	0.00	0.18	0.13	0.03	0.54	0.95	0.99	0.00	0.05	0.12	0.21	0.00	0.75	0.00	0.22	0.00	0.51	0.00
1969-70 P-VALUE	0.69	0.55	1.60	0.00	1.08	0.53	0.84	0.75	0.41	0.00	0.00	1.32	0.60	0.65	0.00	2.93	0.00	0.00	2.26	0.23	0.06	0.32
CHANGE P-VALUE	-0.54	-0.24	-1.53	0.19	-1.08	-0.35	-0.71	-0.72	0.13	0.95	0.99	-1.32	-0.55	-0.53	0.21	-2.93	0.75	0.00	-2.04	-0.23	0.45	-0.32
1972-73 SE OF P-VAL	0.09	0.26	0.07	0.19	0.00	0.15	0.11	0.03	0.54	0.99	1.00	0.00	0.05	0.12	0.21	0.00	0.76	0.00	0.22	0.00	0.40	0.00
1969-70 SE OF P-VAL	0.39	0.34	1.51	0.00	1.08	0.27	0.55	0.44	0.41	0.00	0.00	0.86	0.34	0.46	0.00	2.87	0.00	0.00	2.29	0.22	0.05	0.24
SE OF CHANGE P-VALUE	0.40	0.43	1.51	0.19	1.08	0.31	0.56	0.44	0.68	0.99	1.00	0.86	0.34	0.48	0.21	2.87	0.76	0.00	2.30	0.22	0.40	0.24
1972-73 DELTA-P		0.16	-0.08	0.04	-0.15	0.03	-0.02	-0.12	0.39	0.80	0.84	-0.15	-0.10	-0.03	0.06	-0.15	0.60	-0.15	0.07	-0.15	0.36	-0.15
1969-70 DELTA-P		-0.14	0.91	-0.69	0.39	-0.16	0.15	0.06	-0.28	-0.69	-0.69	0.63	-0.09	-0.04	-0.69	2.24	-0.69	-0.69	1.57	-0.46	-0.63	-0.37
CHANGE DELTA-P		0.30	-0.99	0.73	-0.54	0.19	-0.17	-0.18	0.67	1.49	1.53	-0.78	-0.01	0.01	0.75	-2.39	1.29	0.54	-1.50	0.31	0.99	0.22
1972-73 SE OF DP		0.20	0.11	0.15	0.09	0.10	0.08	0.09	0.48	0.94	0.93	0.09	0.10	0.10	0.22	0.09	0.70	0.09	0.23	0.09	0.35	0.09
1969-70 SE OF DP		0.45	1.29	0.39	0.85	0.19	0.19	0.07	0.54	0.39	0.39	0.57	0.22	0.21	0.39	2.64	0.39	0.39	2.03	0.43	0.39	0.41
SE OF CHANGE DELTA-P		0.49	1.29	0.42	0.85	0.21	0.21	0.11	0.72	1.02	1.01	0.58	0.24	0.23	0.45	2.64	0.80	0.40	2.04	0.44	0.52	0.42
RESPONSE: 05* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	90.07	92.25	89.77	90.23	87.71	92.78	87.77	93.34	80.16	65.72	80.00	87.56	88.92	94.33	80.19	89.45	83.59	96.30	89.42	91.91	91.48	88.51
1969-70 P-VALUE	93.28	94.16	88.11	94.36	94.39	94.00	92.58	94.43	81.88	91.87	83.66	89.57	92.94	96.10	77.52	87.19	87.94	96.70	90.58	95.22	92.59	95.54
CHANGE P-VALUE	-3.21*	-1.91	1.66	-4.13*	-6.68	-1.22	-4.81#	-1.09	-1.72	-26.15#	-3.66	-2.01	-4.02*	-1.77	2.67	2.26	-4.35	-0.40	-1.16	-3.31	-1.11	-7.03#
1972-73 SE OF P-VAL	1.15	2.02	1.25	1.54	3.66	1.22	1.46	0.84	2.95	8.25	4.13	2.36	1.07	0.95	4.22	2.36	3.03	1.43	2.25	2.26	1.21	2.55
1969-70 SE OF P-VAL	0.73	1.09	2.21	1.20	1.46	0.85	1.00	0.76	3.20	3.29	4.12	1.66	1.03	0.75	8.55	3.72	1.83	1.12	2.92	1.38	2.34	0.83
SE OF CHANGE P-VALUE	1.36	2.30	2.54	1.95	3.94	1.49	1.77	1.13	4.35	8.88	5.83	2.89	1.79	1.21	9.53	4.41	3.54	1.82	3.69	2.65	2.63	2.68
1972-73 DELTA-P		2.18	-0.30	0.16	-2.36	2.71#	-2.30#	3.27#	-9.91#	-24.35#	-10.07#	-2.51	-1.15	4.26#	-9.88#	-0.62	-6.48*	6.23#	-0.65	1.84	1.41	-1.56
1969-70 DELTA-P		0.88	-5.17#	1.08	1.11	0.72	-0.70	1.15#	-11.40#	-1.41	-9.62*	-3.71#	-0.34	2.82#	-15.76	-6.09	-5.34#	3.42#	-2.70	1.94	-0.69	2.26#
CHANGE DELTA-P		1.30	4.87*	-0.92	-3.47	1.99*	-1.60	2.12*	1.49	-22.94#	-0.45	1.20	-0.81	1.44	5.88	5.47	-1.14	2.81	2.05	-0.10	2.10	-3.82*
1972-73 SE OF DP		1.84	1.50	1.52	2.86	0.72	0.68	0.99	2.84	7.47	3.52	2.13	1.04	0.91	3.73	2.29	2.93	1.71	2.22	2.29	1.56	1.66
1969-70 SE OF DP		1.05	1.90	1.03	1.22	0.58	0.57	0.33	3.07	3.22	3.91	1.35	0.69	0.65	8.45	3.43	1.77	1.25	2.64	1.34	2.16	0.90
SE OF CHANGE DELTA-P		2.12	2.42	1.84	3.11	0.92	0.89	1.04	4.18	8.13	5.26	2.52	1.25	1.12	9.24	4.12	3.42	2.12	3.45	2.65	2.66	1.89
RESPONSE: 09 AGE: 17	TEXT: I Don't Know.																					
1972-73 P-VALUE	1.26	1.41	0.97	1.39	1.18	0.69	1.74	1.12	0.97	3.85	2.19	1.20	1.24	0.76	3.84	1.76	2.09	0.47	1.68	1.57	0.19	1.45
1969-70 P-VALUE	0.27	0.31	0.45	0.18	0.22	0.16	0.38	0.18	1.40	0.00	0.43	0.48	0.36	0.13	0.00	0.54	0.68	0.00	0.00	0.87	0.15	0.08
CHANGE P-VALUE	0.99#	1.10	0.52	1.21*	0.96	0.53	1.36#	0.94#	-0.43	3.85	1.76	0.72	0.88	0.63*	3.84*	1.22	1.41	0.47	1.68	0.70	0.04	1.37#
1972-73 SE OF P-VAL	0.27	0.61	0.52	0.49	0.55	0.26	0.45	0.30	0.33	2.27	0.98	0.72	0.49	0.30	1.90	1.03	1.08	0.35	0.87	0.81	0.19	0.49
1969-70 SE OF P-VAL	0.10	0.17	0.36	0.18	0.16	0.07	0.18	0.08	0.85	0.00	0.43	0.35	0.19	0.09	0.00	0.55	0.65	0.00	0.00	0.45	0.16	0.08
SE OF CHANGE P-VALUE	0.29	0.63	0.62	0.52	0.57	0.27	0.48	0.31	0.91	2.27	1.07	0.80	0.53	0.31	1.90	1.17	1.26	0.35	0.87	0.93	0.25	0.50
1972-73 DELTA-P		0.15	-0.29	0.13	-0.08	-0.57*	0.48*	-0.14	-0.29	2.59	0.93	-0.06	-0.02	-0.50	2.58	0.50	0.83	-0.79*	0.42	0.31	-1.07#	0.19
1969-70 DELTA-P		0.04	0.18	-0.09	-0.05	-0.11	0.11	-0.09	1.13	-0.27#	0.16	0.21	0.09	-0.14	-0.27#	0.27	0.41	-0.27#	-0.27#	0.60	-0.12	-0.19
CHANGE DELTA-P		0.11	-0.47	0.22	-0.03	-0.46	0.37	-0.05	-1.42	2.86	0.77	-0.27	-0.11	-0.36	2.85	0.23	0.42	-0.52	0.69	-0.29	-0.95#	0.38
1972-73 SE OF DP		0.50	0.48	0.42	0.48	0.27	0.24	0.14	0.41	2.17	0.95	0.73	0.38	0.26	1.77	0.96	1.01	0.36	0.84	0.78	0.31	0.36
1969-70 SE OF DP		0.16	0.29	0.15	0.15	0.09	0.09	0.07	0.78	0.10	0.39	0.32	0.18	0.10	0.10	0.52	0.62	0.10	0.10	0.40	0.16	0.11
SE OF CHANGE DELTA-P		0.52	0.56	0.45	0.50	0.28	0.26	0.16	0.88	2.17	1.03	0.80	0.40	0.28	1.77	1.09	1.19	0.37	0.85	0.88	0.35	0.38

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 1C1141-34

72-73 Report #: UB146
69-70 Report #: U842

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	11-14	02-28
69-70 Package-Exercise:	07-06	
72-73 National P-val:		
UB146	14.32	13.46
69-70 National P-value:		
UB146	20.21	
Timing: (in seconds)		
Stimulus:	12	14
Response:	23	*
I don't know:	5	*
Pause:	6	*
UB146 Exercise total:	46	*

*Time not limited by paced tape.

EXERCISE: 101161-34 UB146

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	12.44	0.73	0.00	0.00	48.15	14.31	10.48	13.45	4.27	15.52	6.11	8.01	8.40	17.92	6.13	0.43	6.63	32.51	0.00	26.73	10.95	6.96
1969-70 P-VALUE	0.36	0.49	0.00	0.57	0.19	0.33	0.39	0.36	0.00	1.08	0.00	0.47	0.64	0.20	0.00	0.00	0.00	1.31	0.00	0.00	0.40	0.45
CHANGE P-VALUE	12.08#	0.24	0.00	-0.57	47.96#	13.98#	10.09#	13.09#	4.27	14.44*	6.11*	7.54#	7.76#	17.72#	6.13*	0.43	6.63	31.20#	0.00	26.73#	10.55	6.51
1972-73 SE OF P-VAL	1.80	0.42	0.00	0.00	7.44	2.75	1.80	1.96	2.21	6.00	2.69	2.82	1.57	3.54	2.54	0.43	3.69	11.84	0.00	6.32	7.50	3.62
1969-70 SE OF P-VAL	0.17	0.36	0.00	0.41	0.19	0.19	0.27	0.15	0.00	1.03	0.00	0.46	0.45	0.14	0.00	0.00	0.00	1.05	0.00	0.00	0.38	0.32
SE OF CHANGE P-VALUE	1.81	0.55	0.00	0.41	7.44	2.76	1.82	1.97	2.21	6.09	2.69	2.86	1.63	3.54	2.54	0.43	3.69	11.89	0.00	6.32	7.51	3.63
1972-73 DELTA-P		-11.71#	-12.44#	-12.44#	35.71#	1.87	-1.96	1.01*	-8.17#	3.08	-6.33*	-4.43	-4.04*	5.48#	-6.31#	-12.01#	-5.81	20.07	-12.44#	14.29*	-1.49	-5.48
1969-70 DELTA-P		0.13	-0.36*	0.21	-0.17	-0.03	0.03	0.00	-0.36*	0.72	-0.36*	0.11	0.28	-0.16	-0.36*	-0.36*	-0.36*	0.95	-0.36*	-0.36*	0.04	0.09
CHANGE DELTA-P		-11.84#	-12.08#	-12.65#	35.88#	1.90	-1.99	1.01*	-7.81#	2.36	-5.97	-4.54	-4.32*	5.64#	-5.95#	-11.65#	-5.45	19.12	-12.08#	14.65*	-1.53	-5.57
1972-73 SE OF DP		1.86	1.80	1.80	5.83	1.45	1.55	0.44	2.68	5.43	3.06	3.54	1.95	2.09	2.21	1.85	3.91	11.17	1.80	6.35	6.63	3.27
1969-70 SE OF DP		0.30	0.17	0.30	0.22	0.17	0.16	0.05	0.17	1.00	0.17	0.43	0.32	0.17	0.17	0.17	0.17	0.97	0.17	0.17	0.35	0.23
SE OF CHANGE DELTA-P		1.88	1.81	1.82	5.83	1.46	1.56	0.44	2.69	5.52	3.06	3.57	1.98	2.10	2.22	1.86	3.91	11.21	1.81	6.35	6.64	3.28
AGE: Ad																						
1972-73 P-VALUE	0.33	0.27	1.01	0.00	0.20	0.44	0.23	0.39	0.00	0.00	0.00	0.41	0.68	0.21	0.00	0.00	0.00	0.40	0.00	1.87	0.00	0.17
1972-73 SE OF P-VAL	0.23	0.27	1.01	0.00	0.21	0.45	0.16	0.27	0.00	0.00	0.00	0.41	0.68	0.21	0.00	0.00	0.00	0.41	0.00	1.85	0.00	0.18
1972-73 DELTA-P		-0.06	0.68	-0.33	-0.13	0.11	-0.10	0.06	-0.33	-0.33	-0.33	0.08	0.35	-0.12	-0.33	-0.33	-0.33	0.07	-0.33	1.54	-0.33	-0.16
1972-73 SE OF DP		0.30	0.48	0.23	0.27	0.24	0.23	0.04	0.23	0.23	0.23	0.41	0.47	0.28	0.23	0.23	0.23	0.41	0.23	1.63	0.23	0.24
RESPONSE: 03* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	14.32	18.55	11.17	18.83	7.24	14.42	14.22	15.86	5.74	8.98	10.60	8.19	14.15	16.61	12.50	17.17	6.73	12.91	11.68	15.91	11.36	16.92
1969-70 P-VALUE	20.21	22.20	13.36	21.66	20.99	20.86	19.60	21.49	9.58	14.37	9.10	16.38	17.04	24.62	12.69	12.90	13.16	26.19	22.26	22.18	27.13	16.87
CHANGE P-VALUE	-5.89#	-3.65	-2.19	-2.83	-13.75#	-6.44*	-5.38	-5.63*	-3.84	-5.39	1.50	-8.19#	-2.89	-8.01#	-0.19	4.27	-6.43	-13.28*	-10.58*	-6.27	-15.77#	0.05
1972-73 SE OF P-VAL	1.47	2.55	2.35	3.77	1.45	1.67	2.07	1.69	1.26	3.17	3.19	1.98	1.65	1.96	3.36	4.90	2.02	3.28	2.93	3.81	3.55	2.30
1969-70 SE OF P-VAL	1.55	3.20	2.07	3.54	2.17	2.24	1.80	1.72	2.01	3.89	3.17	2.46	2.15	2.06	6.01	3.44	3.14	5.12	3.39	4.15	5.13	2.32
SE OF CHANGE P-VALUE	2.14	4.09	3.13	5.17	2.61	2.79	2.74	2.41	2.37	5.02	4.50	3.16	2.71	2.84	6.89	5.99	3.73	6.08	4.48	5.63	6.24	3.27
1972-73 DELTA-P		4.23	-3.15	4.51	-7.08#	0.10	-0.10	1.54#	-8.58#	-5.34	-3.64	-6.13#	-0.17	2.29#	-1.82	2.85	-7.59#	-1.41	-2.64	1.59	-2.96	2.60
1969-70 DELTA-P		1.99	-6.85#	1.45	0.78	0.65	-0.61	1.28#	-10.63#	-5.84	-11.03#	-3.83	-3.17*	4.41#	-7.52	-7.31*	-7.05*	5.98	2.05	1.97	6.92	-3.34
CHANGE DELTA-P		2.24	3.70	3.06	-7.86#	-0.55	0.51	0.26	2.05	0.50	7.39	-2.30	3.00	-2.12	5.70	10.16	-0.54	-7.39	-4.69	-0.38	-9.88	5.94*
1972-73 SE OF DP		2.35	2.35	2.72	1.81	1.15	1.20	0.35	1.66	3.38	2.77	1.73	1.15	0.89	3.08	4.09	2.21	3.32	3.02	3.41	3.46	1.66
1969-70 SE OF DP		2.66	2.28	2.65	2.24	1.33	1.27	0.37	2.38	3.99	3.45	2.52	1.36	0.97	6.38	3.56	3.38	4.72	3.34	3.96	4.38	1.92
SE OF CHANGE DELTA-P		3.55	3.27	3.80	2.88	1.76	1.75	0.51	2.90	5.23	4.42	3.06	1.78	1.32	7.08	5.42	4.04	5.77	4.50	5.23	5.58	2.54
AGE: Ad																						
1972-73 P-VALUE	13.46	14.61	10.70	13.09	15.06	12.05	14.77	15.11	5.52	3.41	8.16	12.98	13.45	20.86	0.00	12.60	8.11	18.58	13.70	12.25	12.68	13.69
1972-73 SE OF P-VAL	0.81	1.85	1.89	1.46	1.38	1.02	1.29	0.98	1.88	1.64	1.24	2.11	1.15	2.55	0.00	2.61	2.27	3.10	2.96	2.65	1.97	1.23
1972-73 DELTA-P		1.15	-2.76	-0.37	1.60	-1.41	1.31	1.65#	-7.94#	-10.05#	-5.30#	-0.48	-0.01	7.40#	-13.46#	-0.86	-5.35*	5.12	0.24	-1.21	-0.78	0.23
1972-73 SE OF DP		1.55	1.67	1.25	1.25	0.88	0.81	0.34	2.02	1.80	1.30	2.07	1.08	2.08	0.81	2.48	2.42	2.82	2.89	2.52	1.91	0.91
RESPONSE: 09 AGE: 17	TEXT: I Don't Know.																					
1972-73 P-VALUE	2.53	2.04	2.58	2.53	2.95	4.13	0.86	2.21	3.30	6.26	3.17	2.27	3.88	0.74	8.09	6.68	3.94	1.72	1.82	1.05	2.15	2.40
1969-70 P-VALUE	3.16	2.96	2.43	3.43	3.56	5.02	1.39	3.14	2.99	3.90	3.85	3.42	4.65	2.21	0.00	3.52	1.18	1.82	2.62	4.99	4.28	3.03
CHANGE P-VALUE	-0.63	-0.92	0.15	-0.90	-0.61	-0.89	-0.53	-0.93	0.31	2.36	-0.68	-1.15	-0.77	-1.47#	8.09#	3.16	2.76	-0.10	-0.80	-3.94	-2.13	-0.63
1972-73 SE OF P-VAL	0.38	0.81	0.58	0.57	0.95	0.69	0.29	0.38	1.28	2.81	1.43	1.01	0.78	0.27	2.51	1.60	1.74	0.95	0.93	0.77	0.86	0.56
1969-70 SE OF P-VAL	0.52	1.24	0.81	0.93	0.92	0.85	0.46	0.58	1.16	2.14	1.73	1.34	1.14	0.50	0.00	1.15	0.95	0.91	1.02	2.50	1.41	0.82
SE OF CHANGE P-VALUE	0.64	1.48	1.00	1.09	1.32	1.09	0.54	0.69	1.73	3.53	2.24	1.68	1.38	0.57	2.51	1.97	1.98	1.32	1.38	2.62	1.65	0.99
1972-73 DELTA-P		-0.49	0.05	0.00	0.42	1.60#	-1.67#	-0.32	0.77	3.73	0.64	-0.26	1.35*	-1.79#	5.56*	4.15#	1.41	-0.81	-0.71	-1.48*	-0.38	-0.13
1969-70 DELTA-P		-0.20	-0.73	0.27	0.40	1.86#	-1.77#	-0.02	-0.17	0.74	0.69	0.26	1.49	-0.95	-3.16#	0.36	-1.98*	-1.34	-0.54	1.83	1.12	-0.13
CHANGE DELTA-P		-0.29	0.78	-0.27	0.02	-0.26	0.10	-0.30	0.94	2.99	-0.05	-0.52	-0.14	-0.84	8.72#	3.79	3.39	0.53	-0.17	-3.31	-1.50	0.00
1972-73 SE OF DP		0.69	0.59	0.52	0.77	0.38	0.40	0.22	1.18	2.70	1.39	0.90	0.61	0.37	2.33	1.54	1.54	0.94	0.91	0.71	0.82	0.50
1969-70 SE OF DP		0.99	0.82	0.76	0.84	0.46	0.43	0.14	1.17	2.13	1.72	1.17	0.81	0.49	0.52	1.15	0.99	0.97	1.01	2.26	1.26	0.64
SE OF CHANGE DELTA-P		1.21	1.01	0.92	1.14	0.60	0.59	0.26	1.66	3.44	2.21	1.48	1.01	0.61	2.39	1.92	1.83	1.35	1.36	2.37	1.50	0.81

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 101141-34 0B146

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 09 AGE: A6 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.78	6.00	6.81	7.65	6.51	10.22	3.58	5.73	11.77	13.30	10.14	6.19	4.84	2.83	33.06	6.78	9.66	2.81	8.63	4.34	6.87	7.73
1972-73 SE OF P-VAL	0.70	1.46	1.31	1.52	1.18	1.10	0.70	0.77	2.98	3.93	1.08	1.36	1.10	0.90	8.23	2.17	2.88	0.95	1.93	1.60	1.45	1.42
1972-73 DELTA-P		-0.78	0.03	0.87	-0.27	3.44#	-3.20#	-1.05*	4.99	6.52	3.36#	-0.59	-1.94*	-3.95#	26.28#	0.00	2.88	-3.97#	1.85	-2.44	0.09	0.95
1972-73 SE OF DP		1.26	1.22	1.20	1.08	0.64	0.58	0.46	2.81	3.79	1.02	1.34	0.88	0.73	7.90	2.11	2.73	1.11	1.82	1.61	1.48	0.97

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101143-3

72-73 Report #: UP147
69-70 Report #: U837

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	05-29
69-70 Package-Exercise:	07-14
72-73 National P-val:	
UP147	21.41
69-70 National P-value:	
UP147	27.03
Timing: (in seconds)	
Stimulus:	25
Response:	24
I don't know:	5
Pause:	6
UP147 Exercise total:	60

EXERCISE: 101143-3 UP147

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.93	1.77	0.38	0.20	1.36	0.66	1.16	0.76	1.70	1.63	0.27	0.85	0.54	0.60	5.68	0.21	2.98	0.83	1.13	0.43	2.78	0.05
1969-70 P-VALUE	0.20	0.42	0.00	0.14	0.17	0.09	0.31	0.18	0.56	0.00	0.00	0.49	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.30
CHANGE P-VALUE	0.73	1.35	0.38	0.06	1.19	0.57	0.85	0.58	1.14	1.63	0.27	0.36	0.54	0.33	5.68#	0.21	2.98#	0.83	1.13	0.43	2.25	-0.25
1972-73 SE OF P-VAL	0.37	0.65	0.24	0.19	1.37	0.39	0.44	0.39	0.88	1.24	0.27	0.84	0.37	0.35	1.87	0.22	0.98	0.82	0.89	0.42	2.24	0.05
1969-70 SE OF P-VAL	0.10	0.30	0.00	0.15	0.17	0.09	0.18	0.10	0.56	0.00	0.00	0.48	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.22
SE OF CHANGE P-VALUE	0.38	0.72	0.24	0.24	1.38	0.40	0.48	0.40	1.04	1.24	0.27	0.97	0.37	0.38	1.87	0.22	0.98	0.82	0.89	0.42	2.27	0.23
1972-73 DELTA-P		0.84	-0.55	-0.73	0.43	-0.27	0.23	-0.17	0.77	0.70	-0.66	-0.08	-0.39#	-0.33	4.75#	-0.72	2.05*	-0.10	0.20	-0.50	1.85	-0.88*
1969-70 DELTA-P		0.22	-0.20*	-0.06	-0.03	-0.11	0.11	-0.02	0.36	-0.20*	-0.20*	0.29	-0.20*	0.07	-0.20*	-0.20*	-0.20*	-0.20*	-0.20*	-0.20*	0.33	0.10
CHANGE DELTA-P		0.62	-0.35	-0.67	0.46	-0.16	0.12	-0.15	0.41	0.90	-0.46	-0.37	-0.19	-0.40	4.95#	-0.52	2.25*	0.10	0.40	-0.30	1.52	-0.98*
1972-73 SE OF DP		0.59	0.41	0.39	1.06	0.21	0.18	0.13	0.76	1.18	0.43	0.56	0.14	0.26	1.63	0.41	0.93	0.82	0.94	0.45	1.93	0.37
1969-70 SE OF DP		0.23	0.10	0.14	0.16	0.10	0.10	0.05	0.52	0.10	0.10	0.42	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.34	0.15
SE OF CHANGE DELTA-P		0.63	0.42	0.41	1.07	0.23	0.21	0.14	0.92	1.18	0.44	0.70	0.17	0.28	1.63	0.42	0.94	0.83	0.95	0.46	1.96	0.40

RESPONSE: 02* AGE: 17 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	21.41	21.46	25.48	20.38	19.16	23.85	19.34	22.35	17.11	17.52	22.13	19.16	20.81	22.93	16.27	17.77	15.77	19.72	26.66	19.39	21.49	23.94
1969-70 P-VALUE	27.03	28.58	31.66	24.88	24.79	30.41	23.82	28.09	17.81	22.88	21.11	24.03	26.45	29.37	13.25	29.04	24.18	32.67	25.13	19.51	27.83	28.06
CHANGE P-VALUE	-5.62#	-7.12*	-6.18	-4.50	-5.63	-6.56#	-4.48*	-5.74#	-0.70	-5.36	1.02	-4.87	-5.64*	-6.44*	3.02	-11.27*	-8.41	-12.95	1.53	-0.12	-6.34*	-4.12
1972-73 SE OF P-VAL	1.07	2.09	2.98	1.67	2.05	1.57	1.25	1.21	2.46	2.44	3.98	2.76	1.65	1.83	2.59	2.64	2.23	1.95	4.75	1.75	2.21	2.01
1969-70 SE OF P-VAL	1.41	2.78	3.12	2.60	2.47	2.06	1.61	1.52	3.12	4.97	4.18	2.88	2.00	2.04	6.08	4.48	3.59	6.21	3.57	4.26	2.12	2.53
SE OF CHANGE P-VALUE	1.77	3.48	4.31	3.09	3.21	2.59	2.04	1.94	3.97	5.54	5.77	3.99	2.59	2.74	6.61	5.20	4.23	6.51	5.94	4.61	3.06	3.23
1972-73 DELTA-P		0.05	4.07	-1.03	-2.25	2.44#	-2.07#	0.94*	-4.30	-3.89	0.72	-2.25	-0.60	1.52	-5.14	-3.64	-5.64#	-1.69	5.25	-2.02	0.08	2.53
1969-70 DELTA-P		1.55	4.63	-2.15	-2.24	3.38#	-3.21#	1.06#	-9.22#	-4.15	-5.92	-3.00	-0.58	2.34	-13.78*	2.01	-2.85	5.64	-1.90	-7.52	0.80	1.03
CHANGE DELTA-P		-1.50	-0.56	1.12	-0.01	-0.94	1.14	-0.12	4.92	0.26	6.64	0.75	-0.02	-0.82	8.64	-5.65	-2.79	-7.33	7.15	5.50	-0.72	1.50
1972-73 SE OF DP		1.79	2.54	1.51	1.85	0.97	0.82	0.40	2.24	2.60	3.81	2.65	1.53	1.21	2.59	2.64	2.17	1.91	4.39	1.64	2.13	1.51
1969-70 SE OF DP		2.36	2.84	2.11	2.18	1.22	1.13	0.40	3.01	4.95	4.18	2.60	1.66	1.22	5.87	4.38	3.53	5.80	3.39	3.89	2.32	1.91
SE OF CHANGE DELTA-P		2.96	3.81	2.59	2.86	1.56	1.40	0.57	3.75	5.59	5.66	3.71	2.26	1.72	6.42	5.11	4.14	6.11	5.55	4.22	3.15	2.43

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	25.76	27.74	18.22	27.67	27.63	21.39	29.47	24.78	28.85	32.77	33.01	24.32	26.93	23.40	30.90	25.58	31.16	26.71	25.57	29.37	25.57	23.04
1969-70 P-VALUE	18.67	18.87	15.18	19.41	19.98	17.56	19.72	18.91	20.54	9.80	18.10	16.65	21.24	17.04	34.11	15.44	14.33	21.71	18.33	21.03	17.65	19.23
CHANGE P-VALUE	7.09#	8.87*	3.04	8.26*	7.65#	3.83	9.75#	5.87#	8.31	22.97#	14.91*	7.67	5.69*	6.36#	-3.21	10.14	16.83#	5.00	7.24	8.34	7.92	3.81
1972-73 SE OF P-VAL	1.23	2.52	2.00	2.64	2.04	1.48	1.68	1.42	2.67	3.45	5.27	3.24	1.72	1.59	3.41	5.90	2.75	3.78	4.89	2.96	3.47	2.09
1969-70 SE OF P-VAL	1.27	3.05	1.98	2.33	1.99	1.45	1.66	1.37	3.41	3.25	4.36	2.37	2.03	1.92	9.09	2.83	3.53	5.89	1.59	4.28	2.73	2.02
SE OF CHANGE P-VALUE	1.77	3.96	2.81	3.52	2.85	2.07	2.36	1.97	4.33	4.74	6.84	4.01	2.66	2.49	9.71	6.54	4.47	7.00	5.14	5.20	4.42	2.91
1972-73 DELTA-P		1.98	-7.54#	1.91	1.87	-4.37#	3.71#	-0.98	3.09	7.01	7.25	-1.44	1.17	-2.36*	5.14	-0.18	5.40	0.95	-0.19	3.61	-0.19	-2.72
1969-70 DELTA-P		0.20	-3.49	0.74	1.31	-1.11	1.05	0.24	1.87	-8.87#	-0.57	-2.02	2.57	-1.63	15.44	-3.23	-4.38	3.04	-0.34	2.36	-1.02	0.56
CHANGE DELTA-P		1.78	-4.05	1.17	0.56	-3.26*	2.66*	-1.22	1.22	15.88#	7.82	0.58	-1.40	-0.73	-10.30	3.05	9.78*	-2.09	0.15	1.25	0.83	-3.28
1972-73 SE OF DP		2.08	2.00	2.08	1.91	1.11	0.91	0.53	2.60	3.57	5.02	2.93	1.42	0.98	3.36	5.62	2.83	3.46	4.76	2.97	3.04	1.71
1969-70 SE OF DP		2.43	2.03	1.89	1.88	0.93	0.88	0.35	3.21	3.52	4.26	2.43	1.67	1.21	8.87	2.85	3.49	5.32	1.86	3.94	2.55	1.54
SE OF CHANGE DELTA-P		3.20	2.85	2.81	2.68	1.45	1.27	0.64	4.13	5.01	6.58	3.81	2.19	1.56	9.49	6.30	4.49	6.35	5.11	4.93	3.97	2.30

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101144-3

72-73 Report #: UP148
69-70 Report #: U807

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	04-27
69-70 Package-Exercise:	08-04
72-73 National P-val:	
UP148	75.79
69-70 National P-value:	
UP148	79.31

Timing: (in seconds)

	Stimulus:	12
	Response:	8
	I don't know:	5
	Pause:	5
UP148	Exercise total:	30

EXERCISE: 101144-3 UP148

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.95	1.68	0.23	1.30	0.21	0.91	0.99	0.98	0.42	1.62	0.00	0.45	1.25	0.29	6.54	0.00	1.64	1.53	1.46	2.52	0.40	0.15
1969-70 P-VALUE	0.03	0.00	0.00	0.00	0.14	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
CHANGE P-VALUE	0.92*	1.68*	0.23	1.30	0.07	0.84	0.99*	0.94	0.42	1.62	0.00	0.45	1.25	0.22	6.54*	0.00	1.64*	1.53	1.24	2.52	0.40	0.15
1972-73 SE OF P-VAL	0.45	0.82	0.23	1.28	0.21	0.45	0.49	0.52	0.22	1.07	0.00	0.45	0.70	0.27	2.89	0.00	0.81	1.32	1.43	2.37	0.39	0.15
1969-70 SE OF P-VAL	0.04	0.00	0.00	0.00	0.15	0.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.45	0.82	0.23	1.28	0.26	0.46	0.49	0.52	0.22	1.07	0.00	0.45	0.70	0.28	2.89	0.00	0.81	1.32	1.45	2.37	0.39	0.15
1972-73 DELTA-P		0.73	-0.72	0.35	-0.74	-0.04	0.04	0.03	-0.53	0.67	-0.95*	-0.50	0.30	-0.66#	5.59*	-0.95*	0.69	0.58	0.51	1.57	-0.55	-0.80
1969-70 DELTA-P		-0.03	-0.03	-0.03	0.11	0.04	-0.03	0.01	-0.03	-0.03	-0.03	-0.03	-0.03	0.04	-0.01	-0.03	-0.03	-0.03	0.19	-0.03	-0.03	-0.03
CHANGE DELTA-P		0.76	-0.69	0.38	-0.85	-0.08	0.07	0.02	-0.50	0.70	-0.92*	-0.47	0.33	-0.70#	5.62*	-0.92*	0.72	0.61	0.32	1.60	-0.52	-0.77
1972-73 SE OF DP		0.72	0.49	0.92	0.48	0.14	0.14	0.10	0.45	1.03	0.45	0.52	0.33	0.26	2.59	0.45	0.74	1.24	1.36	2.01	0.55	0.46
1969-70 SE OF DP		0.04	0.04	0.04	0.11	0.04	0.04	0.01	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.20	0.04	0.04	0.04
SE OF CHANGE DELTA-P		0.72	0.49	0.92	0.49	0.15	0.15	0.10	0.45	1.03	0.45	0.52	0.33	0.26	2.59	0.45	0.74	1.24	1.37	2.01	0.55	0.46
RESPONSE: 03* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	75.79	76.48	75.79	73.45	78.03	77.50	74.04	76.55	70.63	75.14	75.86	74.18	73.49	78.30	70.46	78.13	74.78	78.56	66.37	79.05	74.79	75.97
1969-70 P-VALUE	79.31	83.15	78.64	76.21	79.78	83.17	76.04	78.54	81.23	87.36	71.77	84.80	76.08	80.85	84.17	78.54	83.56	82.17	79.32	70.04	79.22	80.75
CHANGE P-VALUE	-3.52*	-6.67*	-2.85	-2.76	-1.75	-5.67#	-2.00	-1.99	-10.60#	-12.22	4.09	-10.62#	-2.59	-2.55	-13.71	-0.41	-8.78	-3.61	-12.95#	9.01*	-4.43	-4.78
1972-73 SE OF P-VAL	1.04	1.92	2.63	2.12	1.67	1.46	1.30	1.24	2.36	4.37	3.97	3.23	1.79	1.57	4.02	3.75	2.87	3.06	3.40	2.64	2.63	1.96
1969-70 SE OF P-VAL	1.18	2.56	2.88	1.73	2.43	1.66	1.76	1.29	2.79	4.49	4.82	2.69	1.96	1.61	9.63	4.07	3.58	3.01	3.44	3.58	2.40	1.74
SE OF CHANGE P-VALUE	1.57	3.20	3.90	2.74	2.95	2.21	2.19	1.79	3.65	6.27	6.24	4.20	2.65	2.25	10.44	5.53	4.59	4.29	4.84	4.45	3.56	2.62
1972-73 DELTA-P		0.69	0.00	-2.34	2.24	1.71	-1.75	0.76	-5.16*	-0.65	0.07	-1.61	-2.30	2.51*	-5.33	2.34	-1.01	2.77	-9.42#	3.26	-1.00	0.18
1969-70 DELTA-P		3.84	-0.67	-3.10	0.47	3.86#	-3.27#	-0.77	1.92	8.05	-7.54	5.49*	-3.23*	1.54	4.86	-0.77	4.25	2.86	0.01	-9.27#	-0.09	1.44
CHANGE DELTA-P		-3.15	0.67	0.76	1.77	-2.15	1.52	1.53*	-7.08	-8.70	7.61	-7.10	0.93	0.97	-10.19	3.11	-5.26	-0.09	-9.43*	12.53#	-0.91	-1.26
1972-73 SE OF DP		1.66	2.31	1.71	1.60	0.88	0.91	0.43	2.43	4.32	3.82	3.18	1.48	1.14	3.80	3.59	2.90	2.90	3.28	2.49	2.43	1.57
1969-70 SE OF DP		2.11	2.58	1.57	2.09	1.37	1.14	0.47	2.74	4.43	4.79	2.52	1.45	1.01	9.79	4.02	3.57	2.90	2.96	3.19	2.25	1.54
SE OF CHANGE DELTA-P		2.68	3.46	2.32	2.63	1.63	1.46	0.64	3.66	6.19	6.13	4.06	2.07	1.52	10.50	5.39	4.60	4.10	4.42	4.05	3.31	2.20
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.76	7.32	6.64	6.43	6.61	4.67	8.90	6.90	5.69	6.86	6.22	5.44	7.05	6.82	7.40	4.84	6.32	7.14	10.22	5.03	7.73	6.61
1969-70 P-VALUE	6.64	4.08	4.09	11.32	4.94	3.73	9.11	7.23	2.76	4.32	8.93	4.28	8.61	5.81	1.03	4.56	1.92	8.67	6.96	7.09	6.98	6.70
CHANGE P-VALUE	0.12	3.24*	2.55	-4.89*	1.67	0.94	-0.21	-0.33	2.93	2.54	-2.71	1.16	-1.56	1.01	6.37#	0.28	4.40*	-1.53	3.26	-2.06	0.75	-0.09
1972-73 SE OF P-VAL	0.60	1.14	1.44	1.26	0.92	0.66	0.99	0.67	1.18	3.14	2.51	1.44	0.89	0.83	1.75	1.86	1.07	1.80	1.67	1.69	1.23	1.24
1969-70 SE OF P-VAL	0.78	0.88	1.32	2.03	0.90	0.82	1.47	0.88	1.03	2.11	2.95	1.21	1.67	0.82	1.54	1.70	1.64	2.26	1.54	1.67	1.66	1.77
SE OF CHANGE P-VALUE	0.98	1.44	1.95	2.39	1.29	1.05	1.77	1.11	1.57	3.78	3.87	1.88	1.89	1.17	2.33	2.52	1.96	2.89	2.27	2.38	2.07	2.16
1972-73 DELTA-P		0.56	-0.12	-0.33	-0.15	-2.09#	2.14#	0.14	-1.07	0.10	-0.54	-1.32	0.29	0.06	0.64	-1.92	-0.44	0.38	3.46*	-1.73	0.97	-0.15
1969-70 DELTA-P		-2.56#	-2.55	4.68#	-1.70	-2.91#	2.47#	0.59#	-3.88#	-2.32	2.29	-2.36	1.97	-0.83	-5.61#	-2.08	-4.72#	2.03	0.32	0.45	0.34	0.06
CHANGE DELTA-P		3.12*	2.43	-5.01#	1.55	0.82	-0.33	-0.45	2.81	2.42	-2.83	1.04	-1.68	0.89	6.25#	0.16	4.28*	-1.65	3.14	-2.18	0.63	-0.21
1972-73 SE OF DP		0.98	1.28	0.99	0.90	0.60	0.60	0.23	1.15	3.07	2.37	1.33	0.71	0.53	1.71	1.84	1.02	1.67	1.66	1.48	1.26	1.01
1969-70 SE OF DP		0.98	1.32	1.45	0.99	1.04	0.85	0.22	1.19	2.11	2.75	1.28	1.15	0.67	1.76	1.91	1.76	2.11	1.47	1.65	1.56	1.30
SE OF CHANGE DELTA-P		1.39	1.84	1.76	1.34	1.20	1.04	0.32	1.65	3.73	3.63	1.85	1.35	0.85	2.45	2.65	2.03	2.69	2.22	2.22	2.01	1.65

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101145-3

72-73 Report #: UB149
69-70 Report #: U839

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	01-22
69-70 Package-Exercise:	08-10
72-73 National P-val:	
UB149	20.64
69-70 National P-value:	
UB149	22.15

Timing: (in seconds)

	Stimulus:	27
	Response:	22
	I don't know:	5
	Pause:	6
UB149	Exercise total:	60

EXERCISE: 101105-3 ..... UB149

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.19	0.59	0.00	0.00	0.12	0.33	0.06	0.00	1.47	0.69	0.00	0.00	0.03	0.00	2.95	0.19	2.09	0.00	0.00	0.27	0.00	0.00
1969-70 P-VALUE	0.17	0.29	0.00	0.00	0.39	0.29	0.07	0.11	0.83	0.00	0.00	0.30	0.30	0.07	0.00	0.00	0.00	0.22	0.48	0.00	0.00	0.21
CHANGE P-VALUE	0.02	0.30	0.00	0.00	-0.27	0.04	-0.01	-0.11	0.64	0.69	0.00	-0.30	-0.27	-0.07	2.95	0.19	2.09	-0.22	-0.48	0.27	0.00	-0.21
1972-73 SE OF P-VAL	0.13	0.48	0.00	0.00	0.09	0.21	0.06	0.00	0.94	0.53	0.00	0.00	0.04	0.00	1.91	0.19	1.78	0.00	0.00	0.28	0.00	0.00
1969-70 SE OF P-VAL	0.10	0.29	0.00	0.00	0.24	0.19	0.07	0.07	0.82	0.00	0.00	0.31	0.28	0.08	0.00	0.00	0.00	0.21	0.35	0.00	0.00	0.21
SE OF CHANGE P-VALUE	0.16	0.56	0.00	0.00	0.26	0.28	0.09	0.07	1.25	0.53	0.00	0.31	0.28	0.08	1.91	0.19	1.78	0.21	0.35	0.28	0.00	0.21
1972-73 DELTA-P		0.40	-0.19	-0.19	-0.07	0.14	-0.13	-0.19	1.28	0.50	-0.19	-0.19	-0.16	-0.19	2.76	0.00	1.90	-0.19	-0.19	0.08	-0.19	-0.19
1969-70 DELTA-P		0.12	-0.17	-0.17	0.22	0.12	-0.10	-0.06	0.66	-0.17	-0.17	0.13	0.13	-0.10	-0.17	-0.17	-0.17	0.05	0.31	-0.17	-0.17	0.04
CHANGE DELTA-P		0.28	-0.02	-0.02	-0.29	0.02	-0.03	-0.13	0.62	0.67	-0.02	-0.32	-0.29	-0.09	2.93	0.17	2.07	-0.24	-0.50	0.25	-0.02	-0.23
1972-73 SE OF DP		0.35	0.13	0.13	0.15	0.08	0.08	0.13	0.81	0.42	0.13	0.13	0.13	0.13	1.78	0.22	1.66	0.13	0.15	0.27	0.13	0.13
1969-70 SE OF DP		0.22	0.10	0.10	0.20	0.11	0.09	0.08	0.74	0.10	0.10	0.28	0.17	0.10	0.10	0.10	0.10	0.21	0.31	0.10	0.10	0.15
SE OF CHANGE DELTA-P		0.41	0.16	0.16	0.25	0.14	0.12	0.15	1.10	0.43	0.16	0.31	0.21	0.16	1.78	0.24	1.66	0.25	0.34	0.29	0.16	0.20
RESPONSE: 02* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	20.64	19.06	18.79	22.55	21.80	25.13	16.29	21.61	18.59	10.64	12.60	19.50	22.01	22.18	12.20	21.57	17.42	27.22	17.02	16.02	23.96	20.35
1969-70 P-VALUE	22.15	22.51	18.70	23.92	21.82	26.10	18.80	23.06	17.03	17.15	12.75	27.82	22.59	21.79	12.13	19.36	28.11	27.09	17.33	20.82	23.97	22.31
CHANGE P-VALUE	-1.51	-3.45	0.09	-1.37	-0.02	-0.97	-2.51	-1.45	1.56	-6.51	-0.15	-8.32	-0.58	0.39	0.07	2.21	-10.69	0.13	-0.31	-4.80	-0.01	-1.96
1972-73 SE OF P-VAL	1.27	3.00	2.82	2.38	1.83	1.76	1.47	1.45	2.69	2.48	2.43	2.65	2.15	1.67	3.62	6.04	3.41	3.05	2.85	3.14	3.74	2.27
1969-70 SE OF P-VAL	1.42	2.47	1.88	3.16	2.45	2.22	1.72	1.50	3.05	7.26	3.37	4.15	2.04	2.07	5.32	3.68	6.10	4.08	3.26	4.18	2.98	2.79
SE OF CHANGE P-VALUE	1.91	3.89	3.39	3.96	3.06	2.83	2.26	2.09	4.07	7.67	4.15	4.92	2.96	2.66	6.43	7.07	6.99	5.09	4.33	5.23	4.78	3.60
1972-73 DELTA-P		-1.58	-1.45	1.91	1.16	4.49#	-4.35#	0.97*	-2.05	-10.00#	-8.04#	-1.14	1.37	1.54	-8.44*	0.93	-3.22	6.58*	-3.62	-4.62	3.32	-0.29
1969-70 DELTA-P		0.36	-3.05	1.77	-0.33	3.95#	-3.35#	0.91	-5.12	-5.00	-9.40#	5.67	0.44	-0.36	-10.02	-2.79	5.96	4.94	-4.82	-1.33	1.82	0.16
CHANGE DELTA-P		-1.94	1.60	0.14	1.49	0.54	-1.00	0.06	3.07	-5.00	1.36	-6.81	0.93	1.90	1.58	3.72	-9.18	1.64	1.20	-3.29	1.50	-0.45
1972-73 SE OF DP		2.38	2.53	2.09	1.78	1.06	1.01	0.46	2.73	2.51	2.38	2.81	1.56	0.77	3.79	5.77	3.29	3.09	2.86	3.11	3.40	1.57
1969-70 SE OF DP		2.22	2.10	2.29	2.21	1.45	1.31	0.54	3.22	6.75	3.57	3.74	1.45	1.05	5.32	3.66	5.98	3.80	3.03	4.19	2.75	2.16
SE OF CHANGE DELTA-P		3.25	3.29	3.10	2.84	1.80	1.65	0.71	4.22	7.20	4.29	4.68	2.13	1.64	6.53	6.83	6.83	4.90	4.17	5.22	4.37	2.67
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	16.10	14.48	13.18	18.90	17.26	13.68	18.44	16.41	13.98	15.49	17.62	16.61	16.85	14.40	23.12	19.49	15.57	18.88	17.24	18.43	18.26	13.12
1969-70 P-VALUE	14.47	12.17	11.63	17.37	15.08	14.68	14.29	15.00	10.37	13.39	23.18	13.05	15.22	13.48	8.40	10.55	11.93	11.34	14.18	18.37	14.89	15.41
CHANGE P-VALUE	1.63	2.31	1.55	1.53	2.18	-1.00	4.15	1.41	3.61	2.10	-5.56	3.56	1.63	0.92	14.72#	8.94	3.64	7.54*	3.06	0.06	3.37	-2.29
1972-73 SE OF P-VAL	1.12	2.15	1.95	2.50	2.07	1.23	1.59	1.31	1.85	3.64	1.40	2.39	1.88	1.67	3.31	5.44	2.77	2.77	2.58	2.93	2.76	1.86
1969-70 SE OF P-VAL	1.13	2.09	2.40	2.26	2.05	1.57	1.44	1.23	3.11	6.15	6.82	2.75	1.76	1.49	4.12	2.79	4.03	2.11	2.75	5.68	2.64	1.95
SE OF CHANGE P-VALUE	1.59	3.00	3.09	3.37	2.91	1.99	2.15	1.80	3.62	7.15	7.62	3.64	2.55	2.24	5.28	6.11	4.89	3.48	3.77	6.39	3.82	2.69
1972-73 DELTA-P		-1.62	-2.92	2.80	1.16	-2.42#	2.34#	0.31	-2.12	-0.61	1.52	0.51	0.75	-1.70	7.02*	3.39	-0.53	2.78	1.14	2.33	2.16	-2.98*
1969-70 DELTA-P		-2.30	-2.84	2.90	0.61	0.21	-0.18	0.53	-4.10	-1.08	8.71	-1.42	0.75	-0.99	-6.07	-3.92	-2.54	-3.13	-0.29	3.90	0.42	0.94
CHANGE DELTA-P		0.68	-0.08	-0.10	0.55	-2.63	2.52	-0.22	1.98	0.47	-7.19	1.93	0.00	-0.71	13.09#	7.31	2.01	5.91	1.43	-1.57	1.74	-3.92
1972-73 SE OF DP		1.79	1.89	2.06	1.81	0.89	0.89	0.37	2.10	3.56	3.06	2.30	1.68	1.14	2.84	5.19	2.79	2.63	2.63	2.83	2.53	1.27
1969-70 SE OF DP		1.84	2.22	1.73	1.86	1.07	0.91	0.49	2.91	6.03	6.44	2.39	1.53	1.06	4.15	2.92	4.03	2.07	2.49	5.21	2.48	1.61
SE OF CHANGE DELTA-P		2.57	2.92	2.69	2.60	1.39	1.27	0.61	3.59	7.00	7.13	3.32	2.27	1.56	5.03	5.96	4.90	3.35	3.62	5.93	3.54	2.05

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101149-3

72-73 Report #: UP150
69-70 Report #: U821

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	03-11
69-70 Package-Exercise:	10-03
72-73 National P-val:	
UP150	54.20
69-70 National P-value:	
UP150	56.71

Timing: (in seconds)		
	Stimulus:	9
	Response:	10
	I don't know:	5
	Pause:	6
UP150	Exercise total:	30

EXERCISE: 101149-3 UP150

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.30	0.36	0.12	0.32	0.37	0.29	0.31	0.17	0.26	2.14	0.00	0.00	0.17	0.28	1.98	0.00	0.44	0.45	0.76	0.26	0.15	0.28
1969-70 P-VALUE	0.14	0.18	0.22	0.19	0.00	0.12	0.16	0.15	0.10	0.00	0.88	0.39	0.09	0.00	0.00	0.10	0.00	0.00	0.00	0.43	0.00	0.25
CHANGE P-VALUE	0.16	0.18	-0.10	0.13	0.37	0.17	0.15	0.02	0.16	2.14	-0.88#	-0.39	0.08	0.28	1.98	-0.10	0.44	0.45	0.76	-0.17	0.15	0.03
1972-73 SE OF P-VAL	0.12	0.28	0.13	0.24	0.26	0.16	0.18	0.09	0.26	1.34	0.00	0.00	0.17	0.15	1.29	0.00	0.40	0.45	0.79	0.25	0.16	0.19
1969-70 SE OF P-VAL	0.07	0.01	0.17	0.19	0.00	0.12	0.06	0.08	0.11	0.00	0.19	0.39	0.09	0.00	0.00	0.11	0.00	0.00	0.00	0.11	0.00	0.19
SE OF CHANGE P-VALUE	0.14	0.28	0.21	0.31	0.26	0.20	0.19	0.12	0.28	1.34	0.19	0.39	0.19	0.15	1.29	0.11	0.40	0.45	0.79	0.27	0.16	0.27
1972-73 DELTA-P		0.06	-0.18	0.02	0.07	-0.01	0.01	-0.13	-0.04	1.84	-0.30#	-0.30#	-0.13	-0.02	1.68	-0.30#	0.14	0.15	0.46	-0.04	-0.15	-0.02
1969-70 DELTA-P		0.04	0.08	0.05	-0.14*	-0.02	0.02	0.01	-0.04	-0.14*	0.74#	0.25	-0.05	-0.14*	-0.14*	-0.04	-0.14*	-0.14*	-0.14*	0.29*	-0.14*	0.11
CHANGE DELTA-P		0.02	-0.26	-0.03	0.21	0.01	-0.01	-0.14	0.00	1.98	-1.04#	-0.55	-0.08	0.12	1.82	-0.26	0.28	0.29	0.60	-0.33	-0.01	-0.13
1972-73 SE OF DP		0.22	0.15	0.19	0.23	0.12	0.12	0.09	0.26	1.26	0.12	0.12	0.16	0.13	1.21	0.12	0.39	0.41	0.73	0.23	0.18	0.17
1969-70 SE OF DP		0.07	0.16	0.13	0.07	0.07	0.07	0.02	0.12	0.07	0.19	0.33	0.09	0.07	0.07	0.12	0.07	0.07	0.07	0.13	0.07	0.12
SE OF CHANGE DELTA-P		0.23	0.22	0.23	0.24	0.14	0.14	0.09	0.29	1.26	0.22	0.35	0.18	0.15	1.21	0.17	0.40	0.42	0.73	0.26	0.19	0.21

RESPONSE: 03* AGE: 17 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	54.20	56.39	58.92	53.59	47.61	62.07	46.27	58.16	35.74	36.30	50.60	46.56	57.06	55.62	46.66	66.81	25.48	51.62	41.02	51.92	48.60	64.28
1969-70 P-VALUE	56.71	61.75	62.25	55.74	49.51	63.10	50.84	59.18	44.99	38.19	52.52	55.59	54.96	58.92	56.81	65.41	29.74	63.50	49.51	54.13	56.19	60.97
CHANGE P-VALUE	-2.51	-5.36	-3.33	-2.15	-1.90	-1.03	-4.57	-1.02	-9.25	-1.89	-1.92	-9.03	2.10	-3.30	-10.15	1.40	-4.26	-11.88*	-8.49	-2.21	-7.59	3.31
1972-73 SE OF P-VAL	1.84	3.57	2.73	4.02	3.81	2.00	2.27	1.91	3.98	5.15	4.83	4.78	2.81	2.34	5.12	4.04	4.49	4.38	8.06	3.59	3.47	2.60
1969-70 SE OF P-VAL	1.55	2.36	3.26	3.83	2.63	2.00	2.02	1.66	5.35	7.40	5.59	3.52	2.20	1.88	12.65	5.85	4.81	3.85	3.03	4.76	2.67	2.97
SE OF CHANGE P-VALUE	2.41	4.28	4.25	5.55	4.63	2.83	3.04	2.53	6.67	9.02	7.39	5.94	3.62	3.00	13.65	7.11	6.58	5.58	8.61	5.96	4.38	4.08
1972-73 DELTA-P		2.19	4.72	-0.61	-6.59	7.87#	-7.93#	3.96#	-18.46#	-17.90#	-3.60	-7.64	2.86	1.42	-7.54	12.61#	-28.72#	-2.58	-13.18	-2.28	-5.60	10.08#
1969-70 DELTA-P		5.04*	5.54	-0.97	-7.20#	6.39#	-5.87#	2.47#	-11.72*	-18.52#	-4.19	-1.12	-1.75	2.21	0.10	8.70	-26.97#	6.79	-7.20*	-2.58	-0.52	4.26*
CHANGE DELTA-P		-2.85	-0.82	0.36	0.61	1.48	-2.06	1.49	-6.74	0.62	0.59	-6.52	4.61	-0.79	-7.64	3.91	-1.75	-9.37	-5.98	0.30	-5.08	5.82
1972-73 SE OF DP		3.02	2.76	3.14	3.47	1.14	1.12	0.90	3.64	4.97	4.50	4.48	1.92	1.59	4.88	3.80	4.65	4.03	7.74	3.27	3.33	2.30
1969-70 SE OF DP		2.31	3.12	2.81	2.59	1.43	1.29	0.66	5.13	7.22	5.32	2.95	1.57	1.35	12.60	5.66	4.78	3.52	3.01	4.67	2.51	2.13
SE OF CHANGE DELTA-P		3.80	4.17	4.21	4.33	1.83	1.71	1.12	6.29	8.77	6.97	5.36	2.48	2.09	13.50	6.62	6.67	5.35	8.30	5.70	4.17	3.13

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	12.03	12.85	13.14	9.42	13.56	10.90	13.17	11.40	15.02	14.85	12.54	8.74	11.41	13.01	12.66	8.24	13.43	12.51	10.46	14.80	14.61	10.75
1969-70 P-VALUE	11.25	10.62	10.36	11.51	12.11	8.84	13.47	11.23	10.61	12.56	12.30	7.53	10.57	13.07	4.87	11.01	13.66	11.18	9.38	13.19	11.06	11.02
CHANGE P-VALUE	0.78	2.23	2.78	-2.09	1.45	2.06	-0.30	0.17	4.41	2.29	0.24	1.21	0.84	-0.06	7.79	-2.77	-0.23	1.33	1.08	1.61	3.55	-0.27
1972-73 SE OF P-VAL	0.85	1.49	2.02	1.75	1.38	1.24	1.15	0.98	2.57	2.78	2.67	1.95	1.68	1.10	3.09	2.19	2.92	2.00	2.70	2.06	2.42	1.77
1969-70 SE OF P-VAL	0.87	1.33	1.76	2.01	1.54	1.05	1.08	0.97	2.85	3.03	3.12	1.84	1.32	1.32	3.53	2.70	[illegible]	2.09	1.62	3.57	1.95	1.76
SE OF CHANGE P-VALUE	1.22	2.00	2.68	2.67	2.07	1.62	1.58	1.38	3.84	4.11	4.11	2.68	2.11	1.72	4.69	3.48	4.36	2.85	3.15	4.12	3.11	2.50
1972-73 DELTA-P		0.82	1.11	-2.61	1.53	-1.13	1.14	-0.63	2.99	2.82	0.51	-3.29	-0.62	0.98	0.63	-3.79	1.00	0.48	-1.57	2.77	2.58	-1.28
1969-70 DELTA-P		-0.63	-0.89	0.26	0.86	-2.41#	2.22#	-0.02	-0.64	1.31	1.05	-3.72*	-0.68	1.82*	-6.38	-0.24	2.01	-0.07	-1.87	1.94	-0.19	-0.23
CHANGE DELTA-P		1.45	2.00	-2.87	0.67	1.28	-1.08	-0.61	3.63	1.51	-0.54	0.43	0.06	-0.84	7.01	-3.55	-1.01	0.55	0.30	0.83	2.77	-1.05
1972-73 SE OF DP		1.32	1.74	1.38	1.36	0.83	0.84	0.38	2.48	2.79	2.80	1.73	1.29	0.74	2.86	2.11	2.86	2.00	2.61	1.97	2.26	1.35
1969-70 SE OF DP		1.30	1.66	1.49	1.39	0.67	0.61	0.34	2.74	3.04	2.99	1.67	1.12	0.86	3.55	2.62	3.13	1.99	1.66	3.35	1.85	1.32
SE OF CHANGE DELTA-P		1.85	2.40	2.03	1.94	1.07	1.04	0.51	3.70	4.13	4.10	2.40	1.71	1.13	4.56	3.36	4.24	2.82	3.09	3.89	2.92	1.89

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101154-4

72-73 Report #: UB151

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	Adult
72-73 Package-Exercise:	03-13
72-73 National P-val:	
UB151	36.73
Timing: (in seconds)	
Stimulus:	22
Response:	*
UB151 Exercise total:	*

*Time not limited by paced tape.

EXERCISE: 101154-4   UB151

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: A4 TEXT: No Response.																						
1972-73 P-VALUE	0.35	1.46	0.00	0.00	0.00	0.73	0.00	0.08	2.76	0.00	0.26	0.00	0.92	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.17
1972-73 SE OF P-VAL	0.29	1.22	0.00	0.00	0.00	0.61	0.00	0.08	2.66	0.00	0.27	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.18
1972-73 DELTA-P		1.11	-0.35	-0.35	-0.35	0.38	-0.35	-0.27	2.41	-0.35	-0.09	-0.35	0.57	-0.35	-0.35	-0.35	2.64	-0.35	-0.35	-0.35	-0.35	-0.18
1972-73 SE OF DP		0.93	0.29	0.29	0.29	0.31	0.29	0.28	2.38	0.29	0.35	0.29	0.64	0.29	0.29	0.29	2.63	0.29	0.29	0.29	0.29	0.50
RESPONSE: 04* AGE: A4 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	36.73	35.36	34.60	35.63	40.76	41.39	32.40	37.82	27.50	37.38	33.21	30.10	41.13	39.89	29.39	29.94	35.95	44.75	41.96	42.93	35.73	32.71
1972-73 SE OF P-VAL	1.44	2.80	2.48	2.51	3.30	2.14	1.60	1.60	3.19	4.93	2.15	3.33	2.65	2.18	7.50	3.50	3.96	4.86	4.01	3.47	5.27	1.81
1972-73 DELTA-P		-1.37	-2.13	-1.10	4.03	4.66#	-4.33#	1.09	-9.23#	0.65	-3.52	-6.63*	4.40*	3.16	-7.34	-6.79	-0.78	8.02	5.23	6.20	-1.00	-4.02#
1972-73 SE OF DP		2.47	2.39	2.18	2.63	1.27	1.16	0.55	3.21	4.70	1.80	3.06	1.86	1.89	7.40	3.65	3.64	4.41	4.54	3.37	4.78	1.59
RESPONSE: 09 AGE: A4 TEXT: I Don't Know.																						
1972-73 P-VALUE	21.34	17.77	22.36	26.21	18.61	18.73	23.76	20.79	23.22	25.94	27.55	24.31	18.54	15.74	29.53	31.50	20.70	11.54	20.17	14.51	17.98	26.18
1972-73 SE OF P-VAL	0.97	1.55	2.35	1.95	1.81	1.28	1.47	1.11	3.22	3.52	2.06	2.67	1.86	1.50	6.78	2.99	3.57	1.94	3.23	2.02	3.18	1.62
1972-73 DELTA-P		-3.57*	1.02	4.87#	-2.73	-2.61#	2.42#	-0.55	1.88	4.60	6.21#	2.97	-2.80	-5.60#	8.19	10.16#	-0.64	-9.80#	-1.17	-6.83#	-3.36	4.84#
1972-73 SE OF DP		1.48	2.05	1.60	1.56	1.03	0.96	0.45	3.01	3.70	1.83	2.54	1.85	1.38	6.63	3.03	3.36	1.98	3.01	2.64	2.99	1.39

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101157-3

72-73 Report #: 00152
69-70 Report #: 0868

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

69-70 Obj: III. UNDERSTAND THE INVESTIGATIVE NATURE OF SCIENCE.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	07-12
69-70 Package-Exercise:	06-15
72-73 National P-val:	
00152	4.44
69-70 National P-value:	
00152	3.97

Timing: (in seconds)

	Stimulus:	14
	Response:	21
	I don't know:	5
	Pause:	5
00152	Exercise total:	45

EXERCISE: 101157-3 00152

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IA.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.27	0.46	0.19	0.38	0.00	0.35	0.20	0.26	0.42	0.00	0.59	0.00	0.00	0.49	0.00	0.00	0.52	0.00	0.29	0.84	0.00	0.23
1969-70 P-VALUE	0.32	0.27	0.00	0.79	0.00	0.17	0.47	0.37	0.00	0.00	0.00	0.15	0.25	0.47	0.00	0.00	0.00	0.00	0.00	0.48	1.35	0.10
CHANGE P-VALUE	-0.05	0.19	0.19	-0.41	0.00	0.18	-0.27	-0.11	0.42	0.00	0.59	-0.15	-0.25	0.02	0.00	0.00	0.52	0.00	0.29	0.36	-1.35	0.13
1972-73 SE OF P-VAL	0.15	0.45	0.14	0.28	0.00	0.27	0.14	0.17	0.35	0.00	0.59	0.00	0.00	0.30	0.00	0.00	0.53	0.00	0.28	0.86	0.00	0.19
1969-70 SE OF P-VAL	0.22	0.21	0.00	0.67	0.00	0.12	0.43	0.26	0.00	0.00	0.00	0.16	0.18	0.47	0.00	0.00	0.00	0.00	0.00	0.38	1.23	0.11
SE OF CHANGE P-VALUE	0.27	0.50	0.14	0.73	0.00	0.30	0.45	0.31	0.35	0.00	0.59	0.16	0.18	0.56	0.00	0.00	0.53	0.00	0.28	0.94	1.23	0.22
1972-73 DELTA-P		0.19	-0.08	0.11	-0.27	0.08	-0.07	-0.01	0.15	-0.27	0.32	-0.27	-0.27	0.22	-0.27	-0.27	0.25	-0.27	0.02	0.57	-0.27	-0.04
1969-70 DELTA-P		-0.05	-0.32	0.47	-0.32	-0.15	0.15	0.05	-0.32	-0.32	-0.32	-0.17	-0.07	0.15	-0.32	-0.32	-0.32	-0.32	-0.32	0.16	1.03	-0.22
CHANGE DELTA-P		0.24	0.24	-0.36	0.05	0.23	-0.22	-0.06	0.47	0.05	0.64	-0.10	-0.20	0.07	0.05	0.05	0.57	0.05	0.34	0.41	-1.30	0.18
1972-73 SE OF DP		0.33	0.18	0.24	0.15	0.16	0.14	0.05	0.34	0.15	0.57	0.15	0.15	0.17	0.15	0.15	0.50	0.15	0.29	0.74	0.15	0.18
1969-70 SE OF DP		0.27	0.22	0.46	0.22	0.23	0.22	0.03	0.22	0.22	0.22	0.26	0.25	0.26	0.22	0.22	0.22	0.22	0.22	0.37	1.02	0.23
SE OF CHANGE DELTA-P		0.43	0.28	0.52	0.27	0.28	0.26	0.06	0.40	0.27	0.61	0.30	0.29	0.31	0.27	0.27	0.55	0.27	0.36	0.83	1.03	0.29

RESPONSE: 05* AGE: 17 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.44	4.64	3.35	3.59	6.04	4.44	4.44	3.59	7.99	9.87	5.18	6.12	2.85	4.51	8.62	7.71	5.10	5.06	2.94	3.91	2.51	4.63
1969-70 P-VALUE	3.97	5.03	3.89	2.86	4.34	3.59	4.34	4.01	4.95	1.21	2.85	1.76	2.61	5.39	14.96	6.05	6.06	7.04	3.88	2.84	4.57	2.54
CHANGE P-VALUE	0.47	-0.39	-0.54	0.73	1.70	0.85	0.10	-0.42	3.04	8.66*	2.33	4.36	0.24	-0.88	-6.34	1.66	-0.96	-1.98	-0.94	1.07	-2.06	2.09
1972-73 SE OF P-VAL	0.65	1.30	0.49	0.72	1.94	1.11	0.78	0.56	2.52	3.47	2.34	2.14	0.73	0.77	4.61	4.24	1.36	1.24	1.16	1.17	0.94	1.11
1969-70 SE OF P-VAL	0.59	1.36	1.47	0.86	1.11	0.74	0.78	0.63	1.58	0.88	1.47	0.73	0.66	1.00	7.18	2.58	2.08	3.00	1.66	1.22	1.29	0.90
SE OF CHANGE P-VALUE	0.88	1.88	1.55	1.12	2.24	1.33	1.10	0.84	2.97	3.58	2.76	2.26	0.98	1.26	8.53	4.96	2.49	3.25	2.03	1.69	1.60	1.43
1972-73 DELTA-P		0.20	-1.09	-0.85	1.60	0.00	0.00	-0.85	3.55	5.43	0.74	1.68	-1.59*	0.07	4.18	3.27	0.66	0.62	-1.50	-0.53	-1.93	0.19
1969-70 DELTA-P		1.06	-0.08	-1.11	0.37	-0.38	0.37	0.04	0.98	-2.76#	-1.12	-2.21#	-1.36*	1.42*	10.99	2.08	2.09	3.07	-0.09	-1.13	0.60	-1.43
CHANGE DELTA-P		-0.86	-1.01	0.26	1.23	0.38	-0.37	-0.89	2.57	8.19*	1.86	3.89	-0.23	-1.35	-6.81	1.19	-1.43	-2.45	-1.41	0.60	-2.53	1.62
1972-73 SE OF DP		1.08	0.74	0.82	1.51	0.73	0.65	0.46	2.15	3.20	1.96	1.84	0.71	0.67	4.40	3.89	1.37	1.23	1.25	1.15	1.02	0.90
1969-70 SE OF DP		1.11	1.32	0.78	0.95	0.49	0.48	0.15	1.48	0.99	1.44	0.71	0.63	0.61	7.10	2.45	2.01	2.79	1.57	1.16	1.22	0.77
SE OF CHANGE DELTA-P		1.55	1.51	1.13	1.78	0.88	0.81	0.48	2.61	3.35	2.43	1.97	0.95	0.91	8.35	4.60	2.43	3.05	2.01	1.63	1.59	1.18

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.72	4.13	3.62	4.52	6.51	4.91	4.55	4.09	6.27	11.33	7.09	6.22	4.73	4.01	5.15	4.94	9.50	3.70	3.85	5.29	2.83	4.66
1969-70 P-VALUE	5.05	4.61	4.22	6.71	3.98	5.01	5.09	4.97	6.05	4.77	4.81	7.04	4.19	4.97	8.90	4.37	7.21	2.61	5.21	3.36	3.85	6.64
CHANGE P-VALUE	-0.33	-0.48	-0.60	-2.19	2.53	-0.10	-0.54	-0.88	0.22	6.56	2.28	-0.82	0.54	-0.96	-3.75	0.57	2.29	1.09	-1.36	1.93	-1.02	-1.98
1972-73 SE OF P-VAL	0.61	1.28	1.13	0.93	1.46	0.86	0.68	0.62	1.53	3.29	2.34	1.78	0.95	0.86	1.91	1.76	2.57	1.12	1.42	1.60	1.01	1.07
1969-70 SE OF P-VAL	0.57	0.78	0.96	1.51	0.72	0.81	0.65	0.62	1.75	2.17	2.24	1.75	0.74	0.93	4.51	1.63	2.36	1.17	1.38	0.98	1.42	1.23
SE OF CHANGE P-VALUE	0.83	1.50	1.48	1.77	1.63	1.18	0.94	0.88	2.32	3.94	3.24	2.50	1.20	1.27	4.90	2.40	3.49	1.62	1.98	1.88	1.74	1.63
1972-73 DELTA-P		-0.59	-1.10	-0.20	1.79	0.19	-0.17	-0.63*	1.55	6.61*	2.37	1.50	0.01	-0.71	0.43	0.22	4.78	-1.02	-0.87	0.57	-1.89	-0.06
1969-70 DELTA-P		-0.44	-0.83	1.66	-1.07	-0.04	0.04	-0.08	1.00	-0.28	-0.24	1.99	-0.86	-0.08	3.85	-0.68	2.16	-2.44*	0.16	-1.69	-1.20	1.59
CHANGE DELTA-P		-0.15	-0.27	-1.86	2.86*	0.23	-0.21	-0.55	0.55	6.89	2.61	-0.49	0.87	-0.63	-3.42	0.90	2.62	1.42	-1.03	2.26	-0.69	-1.65
1972-73 SE OF DP		1.04	1.06	0.88	1.21	0.49	0.44	0.30	1.36	3.19	2.20	1.73	0.79	0.60	1.76	1.64	2.40	1.04	1.42	1.37	1.00	0.87
1969-70 SE OF DP		0.79	0.98	1.08	0.76	0.47	0.45	0.19	1.69	2.17	2.32	1.49	0.78	0.61	4.41	1.61	2.30	1.22	1.32	1.00	1.30	0.91
SE OF CHANGE DELTA-P		1.31	1.44	1.39	1.43	0.68	0.63	0.36	2.17	3.86	3.20	2.28	1.11	0.86	4.75	2.30	3.32	1.60	1.94	1.70	1.64	1.26

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 101218-12

72-73 Report #: UP153

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: A. Know facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package Exercise:	01-10	01-10
72-73 National P-val:		
UP153	25.72	69.90
Timing: (in seconds)		
Stimulus:	19	20
Response:	40	40
I don't know:	5	5
Pause:	6	6
UP153 Exercise total:	70	71

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                              NATION |           REGION                |     SEX        |        RACE            |          PARENTAL EDUCATION              |              SIZE-AND-TYPE OF COMMUNITY
                                     | NORTH  SOUTH                    |                |                 OTHER  |         SOME    GRAD    POST             |EXTREME  LOW    HIGH   MAIN  URBAN  MEDIUM SMALL
                              ------ |  EAST   EAST CENTRAL   WEST     |  MALE  FEMALE  | WHITE  BLACK     RACE  | NO HS    HS      HS      HS   UNKNOWN    | RURAL  METRO  METRO BIG CTY FRINGE  CITY  PLACES

EXERCISE: 101218-12   UP153

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IA.


RESPONSE:  00     AGE:  9         TEXT:  No Response.

     1972-73 P-VALUE           0.23     0.34   0.00   0.21   0.34     0.33   0.13     0.10   1.11   0.00      0.00   0.00   0.61   0.00   0.26      0.00   1.60   0.00   0.34   0.00   0.00   0.26
     1972-73 SE OF P-VAL       0.12     0.22   0.00   0.22   0.34     0.17   0.10     0.08   0.70   0.00      0.00   0.00   0.45   0.00   0.17      0.00   1.27   0.00   0.36   0.00   0.00   0.21
     1972-73 DELTA-P                    0.11  -0.23  -0.02   0.11     0.10  -0.10    -0.13   0.88  -0.23     -0.23  -0.23   0.38  -0.23   0.03     -0.23   1.37  -0.23   0.11  -0.23  -0.23   0.03
     1972-73 SE OF DP                   0.19   0.12   0.19   0.27     0.08   0.08     0.10   0.61   0.12      0.12   0.12   0.36   0.12   0.14      0.12   1.19   0.12   0.34   0.12   0.12   0.17

                  AGE:  13

     1972-73 P-VALUE           0.06     0.25   0.00   0.00   0.00     0.04   0.08     0.00   0.17   0.57      0.00   0.00   0.13   0.00   0.15      0.00   0.00   0.00   0.28   0.00   0.00   0.07
     1972-73 SE OF P-VAL       0.05     0.20   0.00   0.00   0.00     0.05   0.08     0.00   0.18   0.57      0.00   0.00   0.14   0.00   0.15      0.00   0.00   0.00   0.28   0.00   0.00   0.08
     1972-73 DELTA-P                    0.19  -0.06  -0.06  -0.06    -0.02   0.02    -0.06   0.11   0.51     -0.06  -0.06   0.07  -0.06   0.09     -0.06  -0.06  -0.06   0.22  -0.06  -0.06   0.01
     1972-73 SE OF DP                   0.15   0.05   0.05   0.05     0.05   0.05     0.05   0.16   0.53      0.05   0.05   0.10   0.05   0.14      0.05   0.05   0.05   0.24   0.05   0.05   0.07

RESPONSE:  04*    AGE:  9         TEXT:  All Acceptable Responses.

     1972-73 P-VALUE          25.72    25.23  21.75  29.71  25.56    28.16  23.26    26.91  18.53  26.13     17.79  21.62  26.68  29.17  24.08     26.52  18.80  25.48  24.71  27.33  29.98  24.77
     1972-73 SE OF P-VAL       1.39     2.54   2.30   2.88   3.02     1.77   1.51     1.56   2.65   3.09      4.67   4.07   2.02   2.35   1.81      4.19   3.01   4.06   3.65   3.07   2.62   2.36
     1972-73 DELTA-P                   -0.49  -3.97   3.99  -0.16     2.44# -2.46#    1.19* -7.19#  0.41     -7.93  -4.10   0.96   3.45* -1.64      0.80  -6.92* -0.24  -1.01   1.61   4.26  -0.95
     1972-73 SE OF DP                   2.25   2.26   2.30   2.53     0.88   0.88     0.53   2.57   3.53      4.42   3.91   2.00   1.52   1.10      3.98   3.01   3.60   3.41   3.50   2.52   1.07

                  AGE:  13

     1972-73 P-VALUE          69.90    68.84  64.41  75.68  68.32    73.18  66.49    77.56  36.71  45.66     52.70  66.89  68.86  80.60  53.28     64.00  40.22  83.63  65.52  68.64  67.55  75.04
     1972-73 SE OF P-VAL       1.56     2.45   1.71   3.59   3.65     1.75   2.06     1.13   3.60   7.79      6.61   3.49   2.20   1.50   3.16      7.62   4.44   2.92   4.67   4.07   4.89   1.92
     1972-73 DELTA-P                   -1.06  -5.49#  5.78* -1.58     3.28# -3.41#    7.66#-33.19#-24.24#  -17.20# -3.01  -1.04  10.70#-16.62#    -5.90 -29.68# 13.73# -4.38  -1.26  -2.35   5.14#
     1972-73 SE OF DP                   2.35   2.06   2.71   3.09     1.06   1.09     1.30   3.10   7.32      6.03   3.30   1.67   1.39   2.68      6.90   4.36   3.32   4.41   3.91   4.41   1.91

RESPONSE:  09     AGE:  9         TEXT:  I Don't Know.

     1972-73 P-VALUE           4.28     5.03   4.21   3.19   4.73     4.00   4.57     3.72   5.96   7.01      6.32   5.98   3.23   2.62   5.63      3.50   8.98   6.65   3.50   3.08   2.90   3.94
     1972-73 SE OF P-VAL       0.49     0.85   0.98   0.61   1.37     0.65   0.69     0.47   1.34   1.04      2.26   2.23   0.95   0.66   0.89      2.03   2.28   2.35   1.23   0.93   0.75   0.57
     1972-73 DELTA-P                    0.75  -0.07  -1.09   0.45    -0.28   0.29    -0.56*  1.68   2.73      2.04   1.70  -1.05  -1.66*  1.35*    -0.78   4.70*  2.37  -0.78  -1.20  -1.38  -0.34
     1972-73 SE OF DP                   0.77   0.88   0.65   1.08     0.46   0.46     0.25   1.15   1.66      2.20   2.15   0.88   0.67   0.58      1.92   2.16   2.09   1.15   0.87   0.83   0.60

                  AGE:  13

     1972-73 P-VALUE           2.46     3.48   3.03   1.79   1.75     2.42   2.50     2.06   4.87   2.45      2.88   0.87   2.75   1.60   4.80      1.74   3.21   1.57   1.59   3.79   3.31   2.30
     1972-73 SE OF P-VAL       0.41     0.91   1.15   0.69   0.48     0.54   0.59     0.43   1.44   1.18      1.51   0.63   0.65   0.40   1.10      0.89   1.08   0.73   1.05   1.15   1.40   0.72
     1972-73 DELTA-P                    1.02   0.57  -0.67  -0.71    -0.04   0.04    -0.40   2.41  -0.01      0.42  -1.59*  0.29  -0.86#  2.34#    -0.72   0.75  -0.89  -0.87   1.33   0.85  -0.16
     1972-73 SE OF DP                   0.76   0.97   0.59   0.55     0.38   0.39     0.24   1.27   1.18      1.44   0.73   0.51   0.30   0.91      0.86   1.03   0.76   0.99   1.05   1.25   0.59
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102008-12

72-73 Report #: UB154

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	06-19	02-01
72-73 National P-val:		
UB154	54.39	83.99
Timing: (in seconds)		
Stimulus:	30	31
Response:	30	31
I don't know:	5	5
Pause:	6	6
UB154 Exercise total:	71	73

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                           NATION |            REGION              |     SEX       |        RACE          |           PARENTAL EDUCATION              |                 SIZE-AND-TYPE OF COMMUNITY
                                  | NORTH  SOUTH                   |               |                OTHER |        SOME   GRAD   POST                 |EXTREME  LOW    HIGH   MAIN   URBAN  MEDIUM SMALL
                           _______|_EAST___EAST_CENTRAL__WEST__|_MALE__FEMALE_|_WHITE__BLACK___RACE_|_NO HS___HS_____HS_____HS__UNKNOWN_|_RURAL__METRO__METRO_BIG CTY_FRINGE__CITY__PLACES

EXERCISE: 102008-12    08154

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IB.


RESPONSE:  00    AGE:  9         TEXT:  No Response.

    1972-73 P-VALUE             0.18    0.32   0.00   0.34   0.00     0.24   0.12     0.20   0.17   0.00     0.00   0.30   0.32   0.09   0.22     0.00   0.00   0.00   0.20   0.21   0.43   0.23
    1972-73 SE OF P-VAL         0.10    0.25   0.00   0.28   0.00     0.16   0.13     0.13   0.17   0.00     0.00   0.00   0.32   0.09   0.17     0.00   0.00   0.00   0.20   0.21   0.41   0.24
    1972-73 DELTA-P                     0.14  -0.18   0.16  -0.18     0.06  -0.06     0.02  -0.01  -0.18    -0.18  -0.18   0.14  -0.09   0.04    -0.18  -0.18  -0.18   0.02   0.03   0.25   0.05
    1972-73 SE OF DP                    0.20   0.10   0.21   0.10     0.10   0.10     0.04   0.17   0.10     0.10   0.10   0.26   0.12   0.13     0.10   0.10   0.10   0.20   0.21   0.36   0.18

                 AGE: 13

    1972-73 P-VALUE             0.07    0.00   0.08   0.18   0.00     0.08   0.06     0.00   0.53   0.00     0.00   0.00   0.07   0.00   0.32     0.18   0.81   0.00   0.00   0.00   0.00   0.00
    1972-73 SE OF P-VAL         0.04    0.00   0.08   0.13   0.00     0.06   0.06     0.00   0.29   0.00     0.00   0.00   0.07   0.00   0.22     0.18   0.54   0.00   0.00   0.00   0.00   0.00
    1972-73 DELTA-P                    -0.07   0.01   0.11  -0.07     0.01  -0.01    -0.07   0.46  -0.07    -0.07  -0.07   0.00  -0.07   0.25     0.11   0.74  -0.07  -0.07  -0.07  -0.07  -0.07
    1972-73 SE OF DP                    0.04   0.08   0.09   0.04     0.04   0.04     0.04   0.25   0.04     0.04   0.04   0.07   0.04   0.19     0.17   0.50   0.04   0.04   0.04   0.04   0.04

RESPONSE:  02*   AGE:  9         TEXT:  All Acceptable Responses.

    1972-73 P-VALUE            54.39   53.96  51.50  57.50  54.10    51.74  57.12    59.95  34.34  34.81    44.15  40.74  56.87  63.57  49.06    54.48  34.01  64.28  54.30  58.22  63.02  50.45
    1972-73 SE OF P-VAL         1.42    2.82   2.32   2.77   3.41     1.89   2.01     1.68   2.61   4.96     4.53   5.33   2.71   1.85   2.09     5.13   4.28   5.04   4.82   2.87   3.41   2.79
    1972-73 DELTA-P                    -0.43  -2.89   3.11  -0.29   -2.65*  2.73*    5.56#-20.05#-19.50#  -10.24*-13.65#  2.48   9.18# -5.33#    0.09 -20.38#  9.89* -0.09   3.83   8.63# -3.94
    1972-73 SE OF DP                    2.39   2.18   2.30   2.97     1.31   1.35     0.96   2.69   4.61     4.31   5.22   2.06   1.64   1.57     5.29   4.37   4.62   4.57   2.64   1.29   2.26

                 AGE: 13

    1972-73 P-VALUE            83.99   86.47  81.99  85.44  81.73    81.38  86.56    87.45  69.41  69.68    74.81  84.19  85.32  87.21  76.91    78.32  73.50  87.59  84.49  87.07  86.07  84.20
    1972-73 SE OF P-VAL         0.85    1.90   1.68   1.37   1.87     1.33   0.92     0.83   2.16   5.62     4.01   2.54   1.60   1.15   2.27     3.36   2.82   1.86   2.62   2.89   2.14   1.33
    1972-73 DELTA-P                     2.48  -2.00   1.45  -2.26   -2.61#  2.57#    3.46#-14.58#-14.31#   -9.18*  0.20   1.33   3.22# -7.08#   -5.67 -10.49#  3.60   0.50   3.08   2.08   0.21
    1972-73 SE OF DP                    1.60   1.52   1.22   1.59     0.75   0.75     0.49   1.96   5.50     3.83   2.44   1.23   0.98   2.14     3.12   2.86   1.91   2.45   2.58   2.02   1.18

RESPONSE:  09    AGE:  9         TEXT:  I Don't Know.

    1972-73 P-VALUE             4.55    5.09   4.47   4.56   3.94     5.05   4.04     3.75   7.20   7.90     2.01   5.28   2.36   1.59   8.31     5.57   9.89   1.39   5.58   6.88   2.43   3.66
    1972-73 SE OF P-VAL         0.49    0.95   0.87   0.94   1.16     0.68   0.57     0.52   1.19   2.49     1.17   2.35   0.71   0.69   0.95     1.85   2.25   0.68   1.43   1.94   0.70   0.70
    1972-73 DELTA-P                     0.54  -0.08   0.01  -0.61     0.50  -0.51    -0.80#  2.65*  3.35    -2.54*  0.73  -2.19# -2.96#  3.76#    1.02   5.34# -3.16#  1.03   2.33  -2.12# -0.89
    1972-73 SE OF DP                    0.82   0.79   0.79   1.02     0.39   0.40     0.28   1.15   2.30     1.12   2.32   0.71   0.65   0.66     1.76   2.09   0.77   1.32   1.79   0.74   0.44

                 AGE: 13

    1972-73 P-VALUE             1.02    0.58   1.22   1.04   1.25     1.44   0.61     0.87   1.64   1.74     2.56   1.38   0.36   0.87   1.75     1.45   1.49   2.93   0.42   0.51   0.68   0.71
    1972-73 SE OF P-VAL         0.21    0.39   0.43   0.41   0.47     0.34   0.26     0.25   0.39   0.93     0.83   1.11   0.29   0.35   0.59     0.88   0.76   1.05   0.41   0.37   0.38   0.22
    1972-73 DELTA-P                    -0.44   0.20   0.02   0.23     0.42* -0.41    -0.15   0.62   0.72     1.54   0.36  -0.66* -0.15   0.73     0.43   0.47   1.91* -0.60  -0.51  -0.34  -0.31
    1972-73 SE OF DP                    0.35   0.38   0.34   0.40     0.21   0.21     0.09   0.39   0.93     0.82   1.04   0.28   0.27   0.53     0.82   0.75   0.92   0.43   0.36   0.39   0.25
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*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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NAEP #: 102013-12

72-73 Report #: UB155

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	03-33	09-25
72-73 National P-val:		
UB155	59.71	91.70
Timing: (in seconds)		
Stimulus:	18	18
Response:	13	12
I don't know:	5	5
Pause:	6	6
UB155 Exercise total:	42	41

EXERCISE: 102013-12 UB155

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.89	0.46	0.23	0.14	6.46	1.93	1.84	2.01	1.10	2.22	1.91	1.83	1.19	2.24	1.98	0.00	0.49	3.27	0.00	3.76	5.12	1.00
1972-73 SE OF P-VAL	1.20	0.34	0.17	0.14	4.64	1.15	1.26	1.34	0.61	2.24	1.51	1.81	0.73	1.59	1.16	0.00	0.48	3.23	0.00	3.47	4.59	0.89
1972-73 DELTA-P		-1.43	-1.66	-1.75	4.57	0.04	-0.05	0.12	-0.79	0.33	0.02	-0.06	-0.70	0.35	0.09	-1.89	-1.40	1.38	-1.89	1.87	3.23	-0.89
1972-73 SE OF DP		1.23	1.21	1.21	3.46	0.10	0.11	0.23	0.99	1.64	0.67	1.28	0.54	0.43	0.23	1.20	1.28	2.55	1.20	2.77	3.86	0.85
AGE: 13																						
1972-73 P-VALUE	2.80	0.16	2.87	0.45	7.56	2.75	2.86	3.32	0.71	0.00	0.83	0.56	2.37	3.63	3.47	0.08	1.17	3.70	0.30	3.68	8.24	1.99
1972-73 SE OF P-VAL	1.51	0.17	2.80	0.27	5.19	1.43	1.65	1.84	0.44	0.00	0.83	0.57	1.45	2.32	1.96	0.09	0.84	3.68	0.30	3.44	7.31	1.99
1972-73 DELTA-P		-2.64	0.07	-2.35	4.76	-0.05	0.06	0.52	-2.09	-2.80	-1.97	-2.24	-0.43	0.83	0.67	-2.72	-1.63	0.90	-2.50	0.88	5.44	-0.81
1972-73 SE OF DP		1.52	2.53	1.53	3.90	0.27	0.29	0.33	1.56	1.51	1.36	1.23	1.06	1.04	1.03	1.51	1.69	3.00	1.54	2.78	6.46	1.87
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	59.71	64.99	53.19	61.30	58.84	59.31	60.14	61.99	47.83	58.14	46.19	49.83	65.43	67.52	53.09	54.58	46.45	73.45	63.30	57.39	59.97	58.68
1972-73 SE OF P-VAL	1.50	2.65	2.30	2.52	3.93	2.11	1.79	1.67	2.89	4.89	6.54	6.14	2.48	2.24	1.96	5.38	2.93	4.33	3.53	3.37	4.06	2.57
1972-73 DELTA-P		5.28*	-6.52#	1.59	-0.87	-0.40	0.43	2.28#	-11.88#	-1.57	-13.52*	-9.88	5.72#	7.81#	-6.62#	-5.13	-13.26#	13.74#	3.59	-2.32	0.26	-1.03
1972-73 SE OF DP		2.45	2.27	2.24	3.09	1.22	1.31	0.60	2.63	4.70	6.21	6.17	2.19	1.79	1.20	5.33	3.08	3.84	3.55	3.22	3.68	2.00
AGE: 13																						
1972-73 P-VALUE	91.70	96.16	88.19	95.09	87.36	91.21	92.23	92.43	87.50	89.92	85.78	89.41	92.85	94.20	86.37	92.00	87.71	92.59	95.52	92.41	86.41	92.51
1972-73 SE OF P-VAL	1.60	0.71	3.02	0.94	5.31	1.62	1.76	1.93	1.89	2.26	4.26	2.52	1.59	2.43	2.66	1.91	2.42	4.07	1.44	3.50	7.35	2.20
1972-73 DELTA-P		4.46#	-3.51	3.39	-4.34	-0.49	0.53	0.73	-4.20	-1.78	-5.92	-2.29	1.15	2.50*	-5.33#	0.30	-3.99	0.89	3.82	0.71	-5.29	0.81
1972-73 SE OF DP		1.66	2.70	1.74	4.01	0.53	0.57	0.44	2.30	2.63	4.16	2.70	1.28	1.19	1.92	2.28	2.78	3.37	1.99	2.83	6.54	2.03
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	9.18	7.71	10.56	6.81	11.84	8.06	10.38	8.85	10.87	9.50	16.09	7.34	6.20	4.46	13.86	8.01	14.88	4.35	7.44	7.92	6.37	11.57
1972-73 SE OF P-VAL	1.10	1.22	1.67	1.57	3.12	1.33	1.25	1.30	1.58	2.22	6.06	2.52	1.43	0.90	1.73	3.25	2.88	1.22	2.15	2.08	1.21	2.38
1972-73 DELTA-P		-1.47	1.40	-2.37	2.66	-1.12	1.20	-0.33	1.69	0.32	6.91	-1.84	-2.98*	-4.72#	4.68#	-1.17	5.70*	-4.83#	-1.74	-1.26	-2.81	2.39
1972-73 SE OF DP		1.41	1.66	1.51	2.34	0.66	0.70	0.34	1.61	2.29	5.32	2.67	1.26	1.26	0.94	3.25	2.75	1.53	2.18	1.95	1.50	1.61
AGE: 13																						
1972-73 P-VALUE	1.19	0.27	1.37	1.11	1.97	1.33	1.04	1.05	1.47	2.39	2.15	3.35	0.99	0.14	2.92	1.06	2.01	0.34	0.62	1.14	1.39	1.51
1972-73 SE OF P-VAL	0.23	0.09	0.38	0.52	0.57	0.35	0.30	0.25	0.66	1.22	1.16	1.64	0.35	0.11	1.01	0.48	1.27	0.33	0.44	0.74	0.68	0.44
1972-73 DELTA-P		-0.92#	0.18	-0.08	0.78	0.14	-0.15	-0.14	0.28	1.20	0.96	2.16	-0.20	-1.05#	1.73	-0.13	0.82	-0.85*	-0.57	-0.05	0.20	0.32
1972-73 SE OF DP		0.23	0.36	0.43	0.45	0.23	0.25	0.13	0.63	1.15	1.09	1.55	0.32	0.23	0.91	0.50	1.21	0.37	0.46	0.68	0.62	0.34

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102014-123

72-73 Report #: UP156

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13	17IS
72-73 Package-Exercise:	05-27	06-06	08-01
72-73 National P-val:			
UP156	29.54	31.54	49.25

Timing: (in seconds)

	Stimulus:	27	26	24
	Response:	20	21	20
	I don't know:	5	5	5
	Pause:	6	6	6
UP156	Exercise total:	58	58	55

EXERCISE: 102014-123 UP156

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	0.45	0.45	1.04	0.23	0.09	0.47	0.43	0.33	1.26	0.00	0.00	0.82	0.56	0.59	0.29	0.13	0.00	0.19	0.89	0.00	0.40	0.73
1972-73 SE OF P-VAL	0.21	0.27	0.78	0.19	0.09	0.27	0.20	0.18	0.64	0.00	0.00	0.82	0.36	0.29	0.19	0.13	0.00	0.18	0.50	0.00	0.38	0.56
1972-73 DELTA-P		0.00	0.59	-0.22	-0.36	0.02	-0.02	-0.12	0.81	-0.45*	-0.45*	0.37	0.11	0.18	-0.16	-0.32	-0.45*	-0.26	0.44	-0.45*	-0.05	0.28
1972-73 SE OF DP		0.28	0.60	0.25	0.22	0.12	0.12	0.08	0.49	0.21	0.21	0.80	0.22	0.17	0.12	0.24	0.21	0.25	0.48	0.21	0.39	0.38
AGE: 13																						
1972-73 P-VALUE	0.08	0.15	0.00	0.00	0.18	0.17	0.00	0.07	0.11	0.20	0.00	0.15	0.00	0.11	0.16	0.00	0.58	0.00	0.44	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.06	0.15	0.00	0.00	0.18	0.12	0.00	0.06	0.11	0.20	0.00	0.15	0.00	0.11	0.16	0.00	0.59	0.00	0.42	0.00	0.00	0.00
1972-73 DELTA-P		0.07	-0.08	-0.08	0.10	0.09	-0.08	-0.01	0.03	0.12	-0.08	0.07	-0.08	0.03	0.08	-0.08	0.50	-0.08	0.36	-0.08	-0.08	-0.08
1972-73 SE OF DP		0.12	0.06	0.06	0.14	0.06	0.06	0.02	[illegible]	0.17	0.06	0.11	0.06	0.07	0.14	0.06	0.54	0.06	0.39	0.06	0.06	0.06
AGE: 17																						
1972-73 P-VALUE	0.19	0.53	0.00	0.20	0.06	0.12	0.26	0.23	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.39	1.00	0.00	0.00	0.17
1972-73 SE OF P-VAL	0.11	0.38	0.00	0.21	0.00	0.12	0.19	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	0.00	0.41	1.02	0.00	0.00	0.17
1972-73 DELTA-P		0.34	-0.19	0.01	-0.19	-0.07	0.07	0.04*	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	2.75	-0.19	-0.19	0.20	0.81	-0.19	-0.19	-0.02
1972-73 SE OF DP		0.29	0.11	0.18	0.11	0.12	0.11	0.02	0.11	0.11	0.11	0.11	0.11	0.11	1.89	0.11	0.11	0.37	0.95	0.11	0.11	0.15

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	29.54	28.08	34.37	27.99	27.81	31.40	27.69	30.23	27.89	25.79	31.29	23.49	33.31	31.49	26.48	28.28	30.67	26.16	23.38	28.81	25.59	34.98
1972-73 SE OF P-VAL	1.22	1.69	2.64	3.01	1.98	1.70	1.58	1.39	3.02	3.90	3.97	5.35	2.26	2.18	1.70	5.58	4.27	2.63	2.49	3.34	3.23	2.22
1972-73 DELTA-P		-1.46	4.83*	-1.55	-1.73	1.86	-1.85	0.69	-1.65	-3.75	1.75	-6.05	3.77*	1.95	-3.06*	-1.26	1.13	-3.38	-6.16*	-0.73	-3.95	5.44‡
1972-73 SE OF DP		1.72	2.16	2.45	1.87	1.09	1.09	0.67	2.65	3.88	4.01	5.02	1.72	1.65	1.47	5.19	3.93	2.53	2.49	3.32	3.08	1.81
AGE: 13																						
1972-73 P-VALUE	31.54	35.21	25.53	35.22	29.15	35.82	27.58	32.83	23.36	29.04	19.94	28.89	29.35	38.40	23.23	31.62	27.23	39.65	22.05	35.43	33.04	29.45
1972-73 SE OF P-VAL	1.24	3.21	2.43	1.97	2.04	1.36	1.85	1.42	2.52	3.97	3.77	3.69	2.28	1.94	2.94	4.36	4.67	3.07	3.72	3.18	2.84	2.61
1972-73 DELTA-P		3.67	-6.01‡	3.68*	-2.39	4.28‡	-3.96‡	1.29‡	-8.18‡	-2.50	-11.70‡	-2.66	-2.19	6.86‡	-8.31‡	0.08	-4.31	8.11‡	-9.49‡	3.89	1.50	-2.09
1972-73 SE OF DP		2.62	2.17	1.76	1.92	1.08	1.04	0.50	2.60	3.77	3.70	3.31	1.90	1.63	2.63	4.30	4.55	2.86	3.48	2.87	2.78	2.14
AGE: 17																						
1972-73 P-VALUE	49.25	50.70	46.74	49.37	49.79	50.96	47.67	51.00	38.78	44.66	40.12	39.17	44.62	58.12	38.58	48.42	42.54	56.25	41.42	52.82	47.09	50.08
1972-73 SE OF P-VAL	1.36	2.94	2.75	2.33	2.84	2.04	1.78	1.52	3.29	4.80	4.42	3.68	2.45	2.07	4.46	4.50	3.83	4.03	2.45	4.93	3.38	2.49
1972-73 DELTA-P		1.45	-2.51	0.12	0.54	1.71	-1.58	1.75‡	-10.47‡	-4.59	-9.13*	-10.08‡	-4.63*	8.87‡	-10.67*	-0.83	-6.71	7.00	-7.83‡	3.17	-2.16	0.83
1972-73 SE OF DP		2.46	2.87	2.04	2.45	1.38	1.29	0.56	3.03	4.88	4.43	3.42	2.24	1.28	4.57	4.16	3.88	3.70	2.68	4.67	3.27	1.91

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	20.25	23.85	17.67	21.33	18.26	15.81	24.68	19.96	18.58	26.79	17.80	18.87	16.07	13.69	28.39	22.19	16.70	24.44	22.97	21.23	21.13	17.32
1972-73 SE OF P-VAL	1.06	1.59	2.07	2.41	2.14	1.24	1.62	1.20	2.45	5.83	3.97	4.42	1.83	1.63	2.02	5.60	3.69	3.63	3.10	4.05	2.41	1.57
1972-73 DELTA-P		3.60*	-2.58	1.08	-1.99	-4.44‡	4.43‡	-0.29	-1.71	6.54	-2.45	-1.38	-4.18*	-6.56‡	8.14‡	1.94	-3.55	4.19	2.72	0.98	[illegible]	-2.93*
1972-73 SE OF DP		1.54	1.82	1.99	1.82	1.00	0.97	0.70	2.35	5.47	3.67	4.41	1.85	1.42	1.44	5.15	3.78	3.39	2.89	3.79	2.48	1.85
AGE: 13																						
1972-73 P-VALUE	17.72	17.94	14.32	23.21	14.30	15.92	19.39	18.48	14.01	14.21	18.13	14.74	19.25	15.98	20.78	19.85	19.29	19.82	19.39	18.64	11.90	17.46
1972-73 SE OF P-VAL	1.10	2.25	1.63	2.44	2.01	1.31	1.46	1.24	2.00	3.27	4.28	2.58	2.11	1.75	2.95	2.68	3.50	3.45	3.87	3.56	2.47	1.32
1972-73 DELTA-P		0.12	-3.40*	5.49‡	-3.42	-1.80*	1.67*	0.76*	-3.71	-3.51	0.41	-2.98	1.53	-1.74	3.06	2.13	1.57	2.10	1.67	0.92	-5.82*	-0.26
1972-73 SE OF DP		1.96	1.64	1.92	1.78	0.87	0.81	0.35	2.06	3.08	4.32	2.36	1.79	1.31	2.71	2.68	3.43	2.92	3.71	3.13	2.37	1.22
AGE: 17																						
1972-73 P-VALUE	13.58	14.48	14.95	12.45	12.76	10.57	16.36	13.99	10.12	14.77	12.59	16.10	15.66	11.50	14.19	15.75	17.89	9.76	10.64	22.92	15.38	10.41
1972-73 SE OF P-VAL	1.22	2.05	3.80	2.15	1.67	1.17	1.59	1.39	1.93	2.72	2.61	2.76	1.89	1.41	3.49	1.49	4.03	2.02	3.68	7.02	3.08	1.84
1972-73 DELTA-P		0.90	1.37	-1.13	-0.82	-3.01‡	2.78‡	0.41	-3.46	1.19	-0.99	2.52	2.08	-2.08‡	0.61	2.17	4.31	-3.82	-2.94	9.34	1.80	-3.17*
1972-73 SE OF DP		1.89	3.11	1.86	1.71	0.74	0.68	0.35	2.03	2.80	2.75	2.18	1.33	0.81	3.42	1.84	3.86	2.21	3.47	6.33	2.85	1.43

* The absolute value of this number is greater than 2.0 times its standard error.
‡ The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102017-1

72-73 Report #: UB157

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: D. Know laws (principles).

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	04-09

72-73 National P-val:
UB157 74.00

Timing: (in seconds)
Stimulus: 7
Response: 32
I don't know: 5
Pause: 6
UB157 Exercise total: 50

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                          NATION |             REGION               |      SEX       |        RACE           |             PARENTAL EDUCATION              |                   SIZE-AND-TYPE OF COMMUNITY
                                 | NORTH   SOUTH                    |                |                OTHER  |          SOME     GRAD     POST              |EXTREME    LOW      HIGH     MAIN     URBAN   MEDIUM   SMALL
                          -------| EAST    EAST    CENTRAL  WEST    | MALE   FEMALE  | WHITE   BLACK   RACE  | NO HS    HS       HS       HS     UNKNOWN  | RURAL    METRO    METRO   BIG CTY  FRINGE   CITY    PLACES
EXERCISE: 102017-1    UB157

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IB.

RESPONSE:  00    AGE:  9      TEXT:  No Response.

   1972-73 P-VALUE         0.99    0.52    1.05    1.67    0.55     1.49   0.52     0.92    1.63    0.38     1.62     0.00     0.51     1.40     0.95      1.46     1.29     0.18     2.48     1.50     0.89     0.49
   1972-73 SE OF P-VAL     0.21    0.24    0.37    0.56    0.33     0.36   0.16     0.[illegible]    0.60    0.35     1.20     0.00     0.36     0.48     0.28      0.83     0.72     0.17     0.80     0.95     0.70     0.19
   1972-73 DELTA-P                -0.47    0.06    0.68   -0.44     0.50# -0.47#   -0.07    0.64   -0.65     0.63    -0.99#   -0.48     0.41    -0.04      0.47     0.30    -0.81#    1.49*    0.51    -0.10    -0.50*
   1972-73 SE OF DP                0.27    0.34    0.42    0.32     0.18   0.17     0.11    0.58    0.39     1.16     0.21     0.31     0.33     0.29      0.79     0.75     0.26     0.72     0.86     0.63     0.24

RESPONSE:  03*   AGE:  9      TEXT:  All Acceptable Responses.

   1972-73 P-VALUE        74.00   82.01   61.61   76.32   75.50    74.03  73.97    79.03   50.00   64.73    60.56    66.56    73.97    82.45    69.65     57.72    51.32    90.04    71.80    86.50    76.76    71.60
   1972-73 SE OF P-VAL     1.41    1.65    2.27    3.79    2.15     1.56   1.65     1.39    3.13    4.03     4.58     7.60     2.37     1.46     2.16      4.22     6.64     2.10     3.33     2.22     2.67     2.37
   1972-73 DELTA-P                 8.01#-12.39#    2.32    1.50     0.03  -0.03     5.03#-24.00#   -9.27*  -13.44#   -7.44    -0.03     8.45#   -4.35#   -16.28#-22.68#   16.04#   -2.20    12.50#    2.76    -2.40
   1972-73 SE OF DP                1.90    2.16    2.81    2.12     0.80   0.76     0.86    2.77    4.13     4.63     7.33     2.12     1.35     1.21      4.17     6.40     2.34     3.04     2.45     2.80     2.07

RESPONSE:  09    AGE:  9      TEXT:  I Don't Know.

   1972-73 P-VALUE         3.09    2.08    3.63    3.24    3.38     3.40   2.79     2.61    5.20    4.39     3.86     1.70     1.40     1.55     5.37      3.33     6.20     1.20     4.17     1.37     3.03     3.43
   1972-73 SE OF P-VAL     0.38    0.49    0.76    0.92    0.69     0.60   0.51     0.42    1.15    1.42     1.30     1.05     0.61     0.50     0.79      1.30     1.92     0.71     1.23     0.56     0.90     0.77
   1972-73 DELTA-P                -1.01    0.54    0.15    0.29     0.31  -0.30    -0.48*   2.11*   1.30     0.77    -1.39    -1.69*   -1.54#    2.28#     0.24     3.11    -1.89*    1.08    -1.72#   -0.06     0.34
   1972-73 SE OF DP                0.52    0.67    0.70    0.63     0.42   0.40     0.23    1.04    1.37     1.26     1.01     0.72     0.43     0.51      1.24     1.85     0.81     1.12     0.61     0.85     0.61
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102018-234

72-73 Report #: UB158

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	03-10	11-09	03-16
72-73 National P-val: UB158	6.62	7.04	4.18
Timing: (in seconds)			
Stimulus:	17	16	20
Response:	17	15	*
I don't know:	5	5	*
Pause:	6	7	*
UB158 Exercise total:	45	43	*

*Time not limited by paced tape.

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                         NATION |         REGION             |      SEX      |        RACE          |          PARENTAL EDUCATION              |                SIZE-AND-TYPE OF COMMUNITY
                                | NORTH  SOUTH               |               |                OTHER |        SOME   GRAD    POST               |EXTREME  LOW    HIGH   MAIN   URBAN  MEDIUM SMALL
                         _______|_EAST___EAST_CENTRAL__WEST__|__MALE__FEMALE_|_WHITE__BLACK___RACE__|_NO_HS___HS_____HS_____HS__UNKNOWN_|_RURAL__METRO__METRO_BIG_CTY_FRINGE__CITY__PLACES

EXERCISE: 102018-234   0B158

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IB.


RESPONSE:  00    AGE: 13       TEXT:  No Response.

   1972-73 P-VALUE         0.10    0.25   0.00   0.15   0.00     0.07   0.13     0.09   0.00   0.46     0.00   0.00   0.22   0.00   0.25     0.00   0.00   0.32   0.58   0.00   0.00   0.00
   1972-73 SE OF P-VAL     0.06    0.18   0.00   0.15   0.00     0.07   0.10     0.07   0.00   0.44     0.00   0.00   0.16   0.00   0.25     0.00   0.00   0.32   0.41   0.00   0.00   0.00
   1972-73 DELTA-P                 0.15  -0.10   0.05  -0.10    -0.03   0.03    -0.01  -0.10   0.36    -0.10  -0.10   0.12  -0.10   0.15    -0.10  -0.10   0.22   0.48  -0.10  -0.10  -0.10
   1972-73 SE OF DP                0.15   0.06   0.12   0.06     0.06   0.06     0.03   0.06   0.42     0.06   0.06   0.12   0.06   0.22     0.06   0.06   0.28   0.37   0.06   0.06   0.06

                  AGE: 17

   1972-73 P-VALUE         0.10    0.00   0.12   0.25   0.00     0.00   0.21     0.09   0.19   0.00     0.00   0.22   0.00   0.17   0.00     0.00   0.00   0.00   0.00   0.43   0.21   0.00
   1972-73 SE OF P-VAL     0.08    0.00   0.12   0.25   0.00     0.00   0.17     0.09   0.19   0.00     0.00   0.22   0.00   0.17   0.00     0.00   0.00   0.00   0.00   0.41   0.22   0.00
   1972-73 DELTA-P                -0.10   0.02   0.15  -0.10    -0.10   0.11    -0.01   0.09  -0.10    -0.10   0.12  -0.10   0.07  -0.10    -0.10  -0.10  -0.10  -0.10   0.33   0.11  -0.10
   1972-73 SE OF DP                0.08   0.12   0.18   0.08     0.08   0.09     0.03   0.19   0.08     0.08   0.21   0.08   0.10   0.08     0.08   0.08   0.08   0.08   0.34   0.21   0.08

                  AGE: Ad

   1972-73 P-VALUE         0.40    1.18   0.00   0.15   0.28     0.84   0.00     0.14   2.75   0.00     0.00   0.48   0.92   0.17   0.00     0.00   2.99   0.00   0.00   0.65   0.00   0.11
   1972-73 SE OF P-VAL     0.30    1.18   0.00   0.16   0.28     0.62   0.00     0.10   2.66   0.00     0.00   0.48   0.92   0.18   0.00     0.00   2.91   0.00   0.00   0.64   0.00   0.12
   1972-73 DELTA-P                 0.78  -0.40  -0.25  -0.12     0.44  -0.40    -0.26   2.35  -0.40    -0.40   0.08   0.52  -0.23  -0.40    -0.40   2.59  -0.40  -0.40   0.25  -0.40  -0.29
   1972-73 SE OF DP                0.90   0.30   0.31   0.35     0.32   0.30     0.28   2.38   0.30     0.30   0.50   0.64   0.32   0.30     0.30   2.63   0.30   0.30   0.63   0.30   0.30
RESPONSE:  04*   AGE: 13       TEXT:  All Acceptable Responses.

   1972-73 P-VALUE         6.62    5.46   7.04   4.95   9.16     7.23   6.05     5.20  11.27  15.52     8.87   9.14   6.50   4.95   9.54     7.32  15.37   4.63   7.47   4.46   4.20   6.43
   1972-73 SE OF P-VAL     0.58    1.51   1.33   0.66   1.24     0.86   0.74     0.61   2.16   2.43     2.03   1.86   1.13   0.86   1.86     2.01   2.25   1.48   1.97   1.65   1.04    . 10
   1972-73 DELTA-P                -1.16   0.42  -1.67*  2.54*    0.61  -0.57    -1.42#  4.65*  8.90#    2.25   2.52  -0.12  -1.67#  2.92     0.70   8.75# -1.99   0.85  -2.16  -2.42* -0.19
   1972-73 SE OF DP                1.23   1.16   0.73   1.08     0.57   0.53     0.33   1.99   2.39     2.01   1.79   0.95   0.61   1.83     1.93   2.17   1.42   1.90   1.64   1.03   0.83

                  AGE: 17

   1972-73 P-VALUE         7.04    9.26   5.54   6.37   6.89     7.94   6.10     6.63   8.09  11.60     5.77   5.58   6.42   7.46  10.10     5.32   9.01   7.75   5.49   7.35   9.08   6.28
   1972-73 SE OF P-VAL     0.78    2.33   0.99   0.95   1.51     0.98   1.09     0.80   2.93   3.90     2.14   1.59   1.09   1.31   2.90     1.71   3.02   1.80   1.83   1.89   1.44   1.62
   1972-73 DELTA-P                 2.22  -1.50  -0.67  -0.15     0.90  -0.94    -0.41   1.05   4.56    -1.27  -1.46  -0.62   0.42   3.06    -1.72   1.97   0.71  -1.55   0.31   2.04  -0.76
   1972-73 SE OF DP                1.84   1.09   0.96   1.31     0.68   0.69     0.41   2.66   3.87     2.26   1.60   0.94   0.84   2.69     1.76   2.79   1.79   1.92   1.67   1.47   1.25

                  AGE: Ad

   1972-73 P-VALUE         4.18    3.57   4.41   4.62   4.09     5.23   3.21     3.77   4.34   9.85     5.68   4.07   3.25   3.45   7.73     6.96   5.71   6.22   5.37   3.80   1.65   3.08
   1972-73 SE OF P-VAL     0.61    0.83   1.12   1.59   1.06     0.98   0.53     0.71   1.39   3.30     1.38   1.01   0.71   1.52   3.59     3.05   2.60   2.40   1.89   1.14   1.08   0.70
   1972-73 DELTA-P                -0.61   0.23   0.44  -0.09     1.05  -0.97    -0.41   0.16   5.67     1.50  -0.11  -0.93  -0.73   3.55     2.78   1.53   2.04   1.19  -0.38  -2.53* -1.10
   1972-73 SE OF DP                0.86   1.05   1.21   0.95     0.56   0.52     0.28   1.41   3.21     1.09   1.04   0.76   1.21   3.53     2.85   2.49   2.05   1.62   1.32   1.19   0.69
RESPONSE:  09    AGE: 13       TEXT:  I Don't Know.

   1972-73 P-VALUE         1.30    1.22   1.12   1.41   1.41     1.80   0.84     1.11   2.02   2.25     2.36   1.53   0.86   0.87   3.00     1.20   2.86   0.57   1.98   1.91   1.19   0.86
   1972-73 SE OF P-VAL     0.23    0 55   0.43   0.37   0.46     0.38   0.25     0.25   0.65   1.27     1.37   0.93   0.33   0.26   0.99     0.68   1.19   0.47   1.01   0.95   0.50   0.34
   1972-73 DELTA-P                -0.08  -0.18   0.11   0.11     0.50* -0.46*   -0.19   0.72   0.95     1.06   0.23  -0.44  -0.43   1.70    -0.10   1.56  -0.73   0.68   0.61  -0.11  -0.44
   1972-73 SE OF DP                0.45   0.40   0.34   0.40     0.23   0.22     0.12   0.61   1.22     1.30   0.85   0.32   0.25   0.90     0.67   1.12   0.52   0.95   0.89   0.49   0.30

                  AGE: 17

   1972-73 P-VALUE         1.69    1.88   0.35   2.00   2.16     2.01   1.35     1.54   3.20   0.43     0.00   1.86   1.79   1.29   4.90     1.77   1.48   0.80   3.40   0.88   3.54   1.40
   1972-73 SE OF P-VAL     0.33    0.86   0.25   0.72   0.42     0.61   0.26     0.36   1.18   0.45     0.00   0.95   0.69   0.47   2.03     1.62   0.69   0.65   1.80   0.51   1.27   0.61
   1972-73 DELTA-P                 0.19  -1.34#  0.31   0.47     0.32  -0.34    -0.15   1.51  -1.26*   -1.69#  0.17   0.10  -0.40   3.21     0.08  -0.21  -0.89   1.71  -0.81   1.85  -0.29
   1972-73 SE OF DP                0.70   0.38   0.55   0.44     0.33   0.35     0.16   1.18   0.54     0.33   0.95   0.57   0.40   1.89     1.49   0.69   0.71   1.67   0.56   1.22   0.52

                  AGE: Ad

   1972-73 P-VALUE         3.86    3.94   4.07   3.20   4.32     3.79   3.92     2.68  12.55   5.45     4.38   3.13   2.98   2.82  20.12     3.67   5.63   4.34   8.55   2.58   3.50   2.74
   1972-73 SE OF P-VAL     0.55    1.06   1.03   1.24   0.96     0.81   0.61     0.51   2.65   2.38     1.11   0.93   0.76   1.06   6.14     1.36   1.91   1.98   2.91   1.02   1.18   0.63
   1972-73 DELTA-P                 0.08   0.21  -0.66   0.46    -0.07   0.06    -1.18#  8.69#  1.59     0.52  -0.73  -0.88  -1.04  16.26#   -0.19   1.77   0.48   4.69  -1.28  -0.36  -1.12
   1972-73 SE OF DP                0.94   0.96   0.98   0.85     0.48   0.45     0.33   2.45   2.30     0.95   0.88   0.65   0.93   5.97     1.32   1.86   1.77   2.66   1.05   1.16   0.60
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102019-12

72-73 Report #: UP159

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	01-20	01-13
72-73 National P-val:		
UP159	39.25	56.18

Timing: (in seconds)

	Stimulus:	24	25
	Response:	35	35
	I don't know:	5	5
	Pause:	6	6
UP159	Exercise total:	70	71

EXERCISE: 102019-12 UP159

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.73	0.00	0.14	0.22	2.52	0.92	0.53	0.28	0.88	[illegible]	1.10	0.00	0.84	0.37	0.98	0.00	9.80	0.00	0.00	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.52	0.00	0.14	0.22	2.00	0.63	0.41	0.22	0.64	[illegible]	1.10	0.00	0.39	0.37	0.85	0.00	7.51	0.00	0.00	0.00	0.00	0.19
1972-73 DELTA-P		-0.73	-0.59	-0.51	1.79	0.19	-0.20	-0.45	0.15	4.22	0.37	-0.73	0.11	-0.36*	0.25	-0.73	9.07	-0.73	-0.73	-0.73	-0.73	-0.55
1972-73 SE OF DP		0.52	0.53	0.54	1.49	0.12	0.13	0.31	0.95	4.32	[illegible]	0.52	0.54	0.17	0.34	0.52	7.02	0.52	0.52	0.52	0.52	0.53
AGE: 13																						
1972-73 P-VALUE	0.27	0.39	0.19	0.00	0.57	0.35	0.16	0.20	0.18	1.28	0.00	0.00	0.00	0.44	0.59	0.93	1.38	0.37	0.00	0.00	0.00	0.21
1972-73 SE OF P-VAL	0.12	0.23	0.19	0.00	0.40	0.16	0.18	0.10	0.18	1.10	0.00	0.00	0.00	0.27	0.35	0.84	0.85	0.37	0.00	0.00	0.00	0.15
1972-73 DELTA-P		0.12	-0.08	-0.27*	0.30	0.08	-0.09	-0.07	-0.09	1.01	-0.27*	-0.27*	-0.27*	0.17	0.32	0.66	1.11	0.10	-0.27*	-0.27*	-0.27*	-0.06
1972-73 SE OF DP		0.21	0.19	0.12	0.31	0.12	0.12	0.09	0.19	1.02	0.12	0.12	0.12	0.17	0.32	0.76	0.81	0.35	0.12	0.12	0.12	0.15
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	39.25	32.74	40.55	43.66	40.03	41.91	36.56	42.63	26.18	27.66	31.62	37.16	39.06	44.78	36.38	43.02	24.67	39.38	32.74	43.48	40.64	41.35
1972-73 SE OF P-VAL	1.27	2.44	1.93	2.80	2.60	1.74	1.58	1.58	2.71	3.54	5.07	4.89	2.66	2.59	1.66	3.01	3.23	3.73	3.91	3.74	2.64	2.35
1972-73 DELTA-P		-6.51#	1.30	4.41	0.78	2.66*	-2.69*	3.38#	-13.07#	-11.59#	-7.63	-2.09	-0.19	5.53#	-2.87*	3.77	-14.58#	0.13	-6.51	4.23	1.39	2.10
1972-73 SE OF DP		2.15	1.90	2.27	2.22	1.07	1.09	0.62	2.96	3.52	4.81	4.89	2.44	1.95	1.36	3.05	[illegible]	3.30	3.80	3.87	2.62	1.68
AGE: 13																						
1972-73 P-VALUE	56.18	55.74	53.77	60.50	53.10	59.46	52.78	58.70	45.32	48.06	52.99	53.10	54.83	60.83	49.52	50.68	43.79	61.73	56.35	53.00	57.90	58.47
1972-73 SE OF P-VAL	1.39	2.76	2.91	2.33	3.16	1.73	1.94	1.54	2.85	6.15	4.27	4.18	2.35	1.92	2.95	5.40	4.03	3.99	3.76	3.01	2.91	2.37
1972-73 DELTA-P		-0.44	-2.41	4.32*	-3.08	3.28#	-3.40#	2.52#	-10.86#	-8.12	-3.19	-3.08	-1.35	4.65#	-6.66*	-5.50	-12.39#	5.55	0.17	-3.18	1.72	2.29
1972-73 SE OF DP		2.41	2.62	1.99	2.69	1.18	1.24	0.75	[illegible]	5.81	3.93	3.90	1.82	1.40	2.79	5.09	4.12	3.56	3.38	2.87	2.68	1.97
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	14.57	17.91	12.86	15.03	12.25	12.61	16.56	14.79	13.57	14.03	24.99	5.94	11.92	8.42	20.24	11.60	18.87	12.56	14.64	11.92	14.68	16.32
1972-73 SE OF P-VAL	0.93	2.05	1.86	1.87	1.11	1.00	1.23	0.90	2.46	2.95	[illegible]	2.05	1.42	1.07	1.52	3.12	3.05	1.89	2.75	2.10	1.53	1.79
1972-73 DELTA-P		3.34	-1.71	0.46	-2.32*	-1.96#	1.99#	0.22	-1.00	-0.54	[illegible]	-8.63#	-2.65	-6.15#	5.67#	-2.97	4.30	-2.01	0.07	-2.65	0.11	1.75
1972-73 SE OF DP		1.69	1.35	1.55	1.14	0.77	0.76	0.45	2.29	2.72	3.93	2.00	1.37	1.06	1.12	2.98	3.06	1.79	2.59	2.06	1.50	1.37
AGE: 13																						
1972-73 P-VALUE	6.08	6.35	6.68	6.23	5.06	5.61	6.57	5.71	8.90	4.91	6.67	6.60	6.71	4.31	9.03	6.44	7.42	7.58	4.30	6.64	8.25	4.71
1972-73 SE OF P-VAL	0.61	1.23	1.47	1.28	0.79	0.71	0.84	0.69	1.62	1.96	1.61	1.48	1.08	0.85	1.67	2.16	1.88	2.27	1.51	1.73	1.88	1.00
1972-73 DELTA-P		0.27	0.60	0.15	-1.02	-0.47	0.49	-0.37	2.82	-1.17	0.59	0.52	0.63	-1.77#	2.95	0.36	1.34	1.50	-1.78	0.56	2.17	-1.37
1972-73 SE OF DP		1.06	1.28	1.00	0.84	0.46	0.48	0.28	1.48	1.96	1.58	1.33	0.81	0.66	1.51	2.08	1.93	2.08	1.46	1.56	1.71	0.94

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102020-3

72-73 Report #: UP160

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	01-10
72-73 National P-val:	
UP160	27.21

Timing: (in seconds)

	Stimulus:	22
	Response:	16
	I don't know:	5
	Pause:	6
UP160	Exercise total:	49

EXERCISE: 102020-3 UP160

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.09	0.25	0.00	0.00	0.08	0.12	0.06	0.00	0.87	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.76	0.00	0.00	0.27	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.18	0.00	0.00	0.08	0.09	0.06	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.54	0.00	0.00	0.28	0.00	0.00
1972-73 DELTA-P		0.16	-0.09	-0.09	-0.01	0.03	-0.03	-0.09	0.78	-0.09	-0.09	-0.09	-0.09	-0.09	1.36	-0.09	0.67	-0.09	-0.09	0.18	-0.09	-0.09
1972-73 SE OF DP		0.13	0.05	0.05	0.08	0.05	0.05	0.05	0.44	0.95	0.05	0.05	0.05	0.05	0.75	0.05	0.51	0.05	0.05	0.25	0.05	0.05
RESPONSE: 04* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	27.21	25.14	29.81	27.95	26.66	25.03	29.32	26.51	31.93	28.84	24.59	27.01	24.73	29.63	23.66	32.46	28.78	26.57	27.66	25.22	25.83	27.39
1972-73 SE OF P-VAL	1.24	2.15	1.55	3.24	2.25	1.89	1.52	1.41	2.72	3.14	3.32	2.68	2.03	1.65	5.19	2.39	3.62	4.65	3.76	3.05	4.18	1.90
1972-73 DELTA-P		-2.07	2.60	0.74	-0.55	-2.18	2.11	-0.70	4.72	1.63	-2.62	-0.20	-2.48	2.42#	-3.55	5.25*	1.57	-0.64	0.45	-1.99	-1.38	0.18
1972-73 SE OF DP		1.89	1.71	2.58	1.97	1.21	1.14	0.42	2.80	2.98	3.37	2.73	1.52	0.93	5.04	2.47	3.41	4.29	3.84	2.95	3.76	1.41
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	[illegible]	11.54	13.95	14.26	16.86	[illegible]	14.59	14.22	13.43	14.45	15.42	13.42	15.57	12.35	20.91	11.48	15.70	18.19	14.09	14.29	16.78	12.13
1972-73 SE OF P-VAL	1.02	1.86	1.16	2.34	2.12	1.38	1.20	1.24	2.51	3.89	[illegible]	2.35	1.78	1.25	4.13	2.04	2.14	3.17	3.24	2.40	3.62	1.75
1972-73 DELTA-P		-2.61	-0.20	0.11	2.71	[illegible]	0.44	0.07	-0.72	0.30	[illegible]	-0.73	1.42	-1.80*	6.76	-2.67	1.55	4.04	-0.06	0.14	2.63	-2.02
1972-73 SE OF DP		1.57	1.36	1.93	1.77	[illegible]	0.78	0.47	2.49	4.01	2.71	2.46	1.29	0.81	3.81	2.19	2.27	3.05	3.13	2.46	3.24	1.22

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102021-2

72-73 Report #: UP161
69-70 Report #: U721

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	04-09
69-70 Package-Exercise:	03-04
72-73 National P-val:	
UP161	53.40
69-70 National P-value:	
UP161	60.36

Timing: (in seconds)

	Stimulus:	20
	Response:	29
	I don't know:	5
	Pause:	6
UP161	Exercise total:	60

EXERCISE: 102021-2 UP161

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.14	0.00	0.17	0.00	0.41	0.14	0.14	0.09	0.54	0.00	0.00	0.00	0.00	0.20	0.42	0.28	0.35	0.00	0.00	0.49	0.00	0.00
1969-70 P-VALUE	0.17	0.11	0.13	0.38	0.00	0.30	0.05	0.14	0.44	0.00	0.75	0.00	0.28	0.00	0.53	0.36	0.00	0.00	0.77	0.37	0.00	0.00
CHANGE P-VALUE	-0.03	-0.11	0.04	-0.38	0.41	-0.16	0.09	-0.05	0.10	0.00	-0.75	0.00	-0.28	0.20	-0.11	-0.08	0.35	0.00	-0.77	0.12	0.00	0.00
1972-73 SE OF P-VAL	0.11	0.00	0.17	0.00	0.41	0.14	0.10	0.10	0.39	0.00	0.00	0.00	0.00	0.20	0.30	0.28	0.38	0.00	0.00	0.48	0.00	0.00
1969-70 SE OF P-VAL	0.08	0.11	0.13	0.24	0.00	0.16	0.05	0.09	0.31	0.00	0.79	0.00	0.21	0.00	0.39	0.40	0.00	0.00	0.44	0.40	0.00	0.00
SE OF CHANGE P-VALUE	0.14	0.11	0.21	0.24	0.41	0.21	0.11	0.13	0.50	0.00	0.79	0.00	0.21	0.20	0.49	0.49	0.38	0.00	0.44	0.62	0.00	0.00
1972-73 DELTA-P		-0.14	0.03	-0.10	0.27	0.00	0.00	-0.05	0.40	-0.14	-0.14	-0.14	-0.14	0.06	0.28	0.14	0.21	-0.14	-0.14	0.35	-0.14	-0.14
1969-70 DELTA-P		-0.06	-0.04	0.21	-0.17	0.13	-0.12	-0.03	0.27	-0.17*	0.58	-0.17*	0.11	-0.17*	0.36	0.19	-0.17*	-0.17*	0.60	0.20	-0.17*	-0.17*
CHANGE DELTA-P		-0.08	0.07	-0.35	0.44	-0.13	0.12	-0.02	0.13	0.03	-0.72	0.03	-0.25	0.23	-0.08	-0.05	0.38	0.03	-0.74	0.15	0.03	0.03
1972-73 SE OF DP		0.11	0.17	0.11	0.31	0.05	0.06	0.04	0.30	0.11	0.11	0.11	0.11	0.10	0.21	0.26	0.28	0.11	0.11	0.38	0.11	0.11
1969-70 SE OF DP		0.11	0.13	0.18	0.08	0.09	0.08	0.04	0.26	0.08	0.77	0.08	0.15	0.08	0.36	0.38	0.08	0.08	0.40	0.36	0.08	0.08
SE OF CHANGE DELTA-P		0.16	0.21	0.21	0.32	0.10	0.10	0.06	0.41	0.14	0.78	0.14	0.19	0.13	0.42	0.46	0.29	0.14	0.41	0.52	0.14	0.14
RESPONSE: 05* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	53.40	57.39	49.67	51.35	54.78	60.18	46.16	57.03	38.78	41.71	49.63	44.93	46.97	65.16	44.73	50.62	42.87	62.44	50.72	58.56	50.38	54.88
1969-70 P-VALUE	60.36	62.41	56.88	58.09	64.25	63.06	57.81	63.43	45.39	49.03	48.47	43.79	55.17	68.58	58.61	61.62	46.31	67.37	62.32	62.28	59.93	58.14
CHANGE P-VALUE	-6.96*	-5.02	-7.21	-6.74	-9.47	-2.88	-11.65#	-6.40*	-6.61	-7.32	1.16	1.14	-8.20*	-3.42	-13.88#	-11.00	-3.44	-4.93	-11.60	-3.72	-9.55	-3.26
1972-73 SE OF P-VAL	1.76	3.62	2.21	3.16	4.40	2.08	2.18	1.75	3.51	8.63	4.97	3.97	3.00	2.02	2.54	4.98	4.72	4.30	6.66	3.85	3.53	2.81
1969-70 SE OF P-VAL	2.26	3.23	3.31	6.17	2.40	2.80	2.47	2.52	3.08	3.95	6.92	5.22	2.67	2.37	4.52	5.02	5.42	4.36	3.41	3.49	3.49	5.74
SE OF CHANGE P-VALUE	2.86	4.85	3.98	6.93	5.01	3.49	3.29	3.07	5.23	9.49	8.52	6.56	4.02	3.11	5.18	7.07	7.19	6.12	7.48	5.20	4.96	6.39
1972-73 DELTA-P		3.99	-3.73	-2.05	1.38	6.78#	-7.24#	3.63#	-14.62#	-11.69	-3.77	-8.47*	-6.43#	11.76#	-8.67#	-2.78	-10.53*	9.04*	-2.68	5.16	-3.02	1.48
1969-70 DELTA-P		2.05	-3.48	-2.27	3.89	2.70	-2.55*	3.07#	-14.97#	-11.33#	-11.89	-16.57#	-5.19#	8.22#	-1.75	1.26	-14.05#	7.01	1.96	1.92	-0.43	-2.22
CHANGE DELTA-P		1.94	-0.25	0.22	-2.51	4.08*	-4.69#	0.56	0.35	-0.36	8.12	8.10	-1.24	3.54	-6.92	-4.04	3.52	2.03	-4.64	3.24	-2.59	3.70
1972-73 SE OF DP		3.09	2.42	2.72	3.57	1.21	1.22	1.17	3.51	7.73	4.37	3.84	1.99	1.61	2.55	4.50	4.48	4.34	5.95	3.63	3.43	2.24
1969-70 SE OF DP		3.20	3.40	4.43	2.85	1.36	1.24	0.72	3.52	4.24	6.36	3.96	1.77	1.26	4.54	5.03	5.40	4.31	3.68	3.78	3.65	4.00
SE OF CHANGE DELTA-P		4.45	4.17	5.20	4.57	1.82	1.74	1.37	4.97	8.82	7.72	5.52	2.66	2.04	5.21	6.75	7.02	6.12	7.00	5.24	5.01	4.58
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	7.51	6.75	7.44	10.06	5.53	4.41	10.82	7.21	9.91	6.88	7.81	6.67	7.60	6.24	10.66	7.36	12.73	7.82	7.05	7.18	6.37	6.89
1969-70 P-VALUE	7.13	7.42	6.55	6.31	8.42	5.60	8.56	6.42	9.78	11.59	10.85	8.44	8.24	5.28	9.44	5.68	11.33	5.82	7.35	8.72	6.74	6.75
CHANGE P-VALUE	0.38	-0.67	0.89	3.75*	-2.89	-1.19	2.26	0.79	0.13	-4.71	-3.04	-1.77	-0.64	0.96	1.22	1.68	1.40	2.00	-0.30	-1.54	-0.37	0.14
1972-73 SE OF P-VAL	0.66	1.09	1.58	1.37	1.22	0.59	1.15	0.70	2.01	1.57	1.62	1.90	1.07	0.83	1.72	2.46	2.80	1.79	2.33	1.35	1.69	1.16
1969-70 SE OF P-VAL	0.63	0.96	1.14	1.19	1.69	0.85	0.90	0.72	1.76	1.97	3.57	2.15	1.17	0.86	2.23	1.54	2.08	1.41	1.48	1.48	1.31	1.44
SE OF CHANGE P-VALUE	0.91	1.45	1.95	1.81	2.08	1.03	1.46	1.00	2.67	2.52	3.92	2.87	1.59	1.20	2.82	2.90	3.49	2.28	2.76	2.00	2.14	1.85
1972-73 DELTA-P		-0.76	-0.07	2.55*	-1.98	-3.10#	3.31#	-0.30	2.40	-0.63	0.30	-0.84	0.09	-1.27	3.15	-0.15	5.22*	0.31	-0.46	-0.33	-1.14	-0.62
1969-70 DELTA-P		0.29	-0.58	-0.82	1.29	-1.53*	1.43*	-0.71*	2.65	4.46*	3.72	1.31	1.11	-1.85*	2.31	-1.45	4.20*	-1.31	0.22	1.59	-0.39	-0.38
CHANGE DELTA-P		-1.05	0.51	3.37*	-3.27	-1.57	1.88*	0.41	-0.25	-5.09*	-3.42	-2.15	-1.02	0.58	0.84	1.30	1.02	1.62	-0.68	-1.92	-0.75	-0.24
1972-73 SE OF DP		1.01	1.37	1.13	1.08	0.60	0.65	0.32	1.79	1.47	1.53	1.66	0.72	0.70	1.59	2.32	2.56	1.75	2.23	1.31	1.63	0.98
1969-70 SE OF DP		0.92	1.07	0.97	1.39	0.62	0.58	0.29	1.67	1.98	3.36	2.07	0.95	0.76	2.01	1.53	2.06	1.37	1.41	1.05	1.24	1.05
SE OF CHANGE DELTA-P		1.37	1.74	1.49	1.76	0.86	0.87	0.43	2.45	2.47	3.69	2.65	1.19	1.03	2.56	2.78	3.29	2.22	2.64	1.95	2.05	1.44

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102022-24

72-73 Report #: UP162
69-70 Report #: U737

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	Adult
72-73 Package-Exercise:	07-30	02-21
69-70 Package-Exercise:	04-05	
72-73 National P-val:		
UP162	36.99	37.33
69-70 National P-value:		
UP162	42.51	
Timing: (in seconds)		
Stimulus:	16	18
Response:	18	*
I don't know:	5	*
Pause:	6	*
UP162 Exercise total:	45	*

*Time not limited by paced tape.

EXERCISE: 102022-24 UP162

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE
RESPONSE: 00 AGE: 13 TEXT: No Response.										
1972-73 P-VALUE	2.24	0.32	0.00	2.48	6.08	2.18	2.30	2.39	1.73	1.35
1969-70 P-VALUE	0.18	0.32	0.19	0.22	0.00	0.17	0.19	0.15	0.51	0.00
CHANGE P-VALUE	2.06	0.00	-0.19	2.26	6.08	2.01	2.11*	2.24	1.22	1.35
1972-73 SE OF P-VAL	1.07	0.26	0.00	2.32	3.52	1.16	1.05	1.15	1.72	1.36
1969-70 SE OF P-VAL	0.07	0.10	0.19	0.19	0.00	0.11	0.09	0.06	0.39	0.00
SE OF CHANGE P-VALUE	1.07	0.28	0.19	2.33	3.52	1.17	1.05	1.15	1.76	1.36
1972-73 DELTA-P		-1.92	-2.24*	0.24	3.84	-0.06	0.06	0.15	-0.51	-0.89
1969-70 DELTA-P		0.14	0.01	0.04	-0.18#	-0.01	0.01	-0.03	0.33	-0.18#
CHANGE DELTA-P		-2.06	-2.25*	0.20	4.02	-0.05	0.05	0.18	-0.84	-0.71
1972-73 SE OF DP		1.08	1.07	1.89	2.75	0.29	0.28	0.26	1.50	1.16
1969-70 SE OF DP		0.10	0.16	0.15	0.07	0.07	0.07	0.05	0.35	0.07
SE OF CHANGE DELTA-P		1.08	1.08	1.90	2.75	0.30	0.29	0.26	1.54	1.16
AGE: A4										
1972-73 P-VALUE	0.28	0.26	1.02	0.00	0.00	0.45	0.12	0.33	0.00	0.00
1972-73 SE OF P-VAL	0.22	0.27	1.01	0.00	0.00	0.45	0.12	0.27	0.00	0.00
1972-73 DELTA-P		-0.02	0.74	-0.28	-0.28	0.17	-0.16	0.05	-0.28	-0.28
1972-73 SE OF DP		0.30	0.80	0.22	0.22	0.24	0.22	0.04	0.22	0.22
RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.										
1972-73 P-VALUE	36.99	34.87	36.82	39.18	36.92	42.84	31.24	38.77	27.30	36.33
1969-70 P-VALUE	42.51	43.16	37.81	47.49	40.99	50.36	34.81	45.44	30.35	28.42
CHANGE P-VALUE	-5.52#	-8.29#	-0.99	-8.31*	-4.07	-7.52#	-3.57	-6.67#	-3.05	7.91
1972-73 SE OF P-VAL	1.26	1.86	2.68	2.77	2.57	1.60	1.59	1.30	3.05	5.41
1969-70 SE OF P-VAL	1.42	2.54	2.65	3.07	2.98	1.90	2.08	1.56	3.03	3.63
SE OF CHANGE P-VALUE	1.90	3.15	3.77	4.13	3.94	2.48	2.62	2.03	4.30	6.51
1972-73 DELTA-P		-2.12	-0.17	2.19	-0.07	5.85#	-5.75#	1.76#	-9.69#	-0.66
1969-70 DELTA-P		0.65	-4.70	4.98	-1.52	7.85#	-7.70#	2.93#	-12.16#	-14.09#
CHANGE DELTA-P		-2.77	4.53	-2.79	1.45	-2.00	1.95	-1.15	2.47	13.43*
1972-73 SE OF DP		1.80	2.35	2.24	2.23	0.99	0.95	0.59	2.64	5.38
1969-70 SE OF DP		2.30	2.50	2.55	2.50	1.42	1.38	0.60	3.00	3.45
SE OF CHANGE DELTA-P		2.92	3.43	3.39	3.35	1.73	1.68	0.84	4.00	6.39
AGE: A4										
1972-73 P-VALUE	37.33	36.42	33.04	39.92	38.90	44.88	30.31	[illegible]	21.81	28.90
1972-73 SE OF P-VAL	1.24	2.54	3.08	1.79	2.72	1.76	1.44	[illegible]	3.77	4.68
1972-73 DELTA-P		-0.91	-4.29	2.49	1.57	7.55#	-7.02#	[illegible]	-15.52#	-8.43
1972-73 SE OF DP		2.21	2.68	1.70	2.26	1.12	1.03	0.55	3.57	4.62
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.										
1972-73 P-VALUE	5.93	7.18	5.36	5.73	5.38	4.43	7.40	5.65	7.20	6.73
1969-70 P-VALUE	4.14	3.05	5.56	3.67	4.41	4.80	3.55	3.59	6.79	6.17
CHANGE P-VALUE	1.79*	4.13#	-0.20	2.06	0.97	-0.37	3.85#	2.06#	0.41	0.56
1972-73 SE OF P-VAL	0.52	1.01	0.81	1.21	1.00	0.58	0.85	0.58	1.32	1.87
1969-70 SE OF P-VAL	0.59	0.70	1.64	1.02	1.22	0.81	0.78	0.64	1.56	2.73
SE OF CHANGE P-VALUE	0.79	1.23	1.83	1.58	1.58	1.00	1.15	0.86	2.04	3.31
1972-73 DELTA-P		1.25	-0.57	-0.20	-0.55	-1.50#	1.47#	-0.28	1.27	0.80
1969-70 DELTA-P		-1.09	1.42	-0.47	0.27	0.66	-0.59	-0.55	2.65	2.03
CHANGE DELTA-P		2.34*	-1.99	0.27	-0.82	-2.16#	2.06#	0.27	-1.38	-1.23
1972-73 SE OF DP		0.88	0.79	0.97	0.89	0.51	0.50	0.24	1.17	1.95
1969-70 SE OF DP		0.77	1.33	0.91	1.02	0.53	0.51	0.28	1.47	2.59
SE OF CHANGE DELTA-P		1.17	1.55	1.33	1.35	0.74	0.71	0.37	1.88	3.24

	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.												
1972-73 P-VALUE	3.51	1.75	2.13	2.36	1.85	6.05	0.00	0.00	4.52	5.31	1.86	0.27
1969-70 P-VALUE	0.00	0.16	0.27	0.00	0.90	0.16	0.36	0.00	0.46	0.46	0.00	0.09
CHANGE P-VALUE	3.51	1.59	1.86	2.36*	0.95	5.89	-0.36	0.00	4.06	4.85	1.86	0.18
1972-73 SE OF P-VAL	2.05	1.23	1.13	1.18	1.11	5.58	0.00	0.00	4.41	4.19	1.88	0.22
1969-70 SE OF P-VAL	0.00	0.16	0.21	0.00	0.59	0.18	0.37	0.00	0.38	0.53	0.00	0.12
SE OF CHANGE P-VALUE	2.05	1.24	1.15	1.18	1.26	5.58	0.37	0.00	4.43	4.22	1.88	0.25
1972-73 DELTA-P	1.27	-0.49	-0.11	0.12	-0.39	3.81	-2.24*	-2.24*	2.28	3.07	-0.38	-1.97
1969-70 DELTA-P	-0.18#	-0.02	0.09	-0.18#	0.72	-0.02	0.18	-0.18#	0.28	0.28	-0.18#	-0.09
CHANGE DELTA-P	1.45	-0.47	-0.20	0.30	-1.11	3.83	-2.42*	-2.06	2.00	2.79	-0.20	-1.88
1972-73 SE OF DP	1.14	0.75	0.52	0.42	0.81	4.98	1.07	1.07	3.98	3.68	1.87	1.07
1969-70 SE OF DP	0.07	0.16	0.17	0.07	0.56	0.18	0.39	0.07	0.36	0.49	0.07	0.10
SE OF CHANGE DELTA-P	1.14	0.77	0.55	0.43	0.98	4.98	1.14	1.07	4.00	3.71	1.87	1.07
AGE: A4												
1972-73 P-VALUE	0.00	0.40	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.16
1972-73 SE OF P-VAL	0.00	0.40	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.16
1972-73 DELTA-P	-0.28	0.12	0.40	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	1.59	-0.28	-0.12
1972-73 SE OF DP	0.22	0.40	0.47	0.22	0.22	0.22	0.22	0.22	0.22	1.64	0.22	0.24
RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.												
1972-73 P-VALUE	28.67	32.86	35.47	42.74	30.13	35.94	27.09	37.34	30.70	38.97	40.90	38.71
1969-70 P-VALUE	32.68	37.01	41.43	47.05	33.55	40.55	33.52	51.08	42.63	47.46	39.69	41.52
CHANGE P-VALUE	-4.01	-4.15	-5.96	-4.31	-3.42	-4.61	-6.43	-13.74#	-11.93#	-8.49	1.21	-2.81
1972-73 SE OF P-VAL	4.39	4.19	2.01	1.90	2.36	4.55	4.97	2.59	2.89	3.71	3.48	2.11
1969-70 SE OF P-VAL	5.35	3.18	2.50	1.85	3.49	5.21	4.92	3.59	3.56	3.95	4.36	[illegible]
SE OF CHANGE P-VALUE	6.92	5.26	3.21	2.65	4.21	6.92	6.99	4.43	4.59	5.42	5.58	3.36
1972-73 DELTA-P	-8.32	-4.13	-1.52	5.75#	-6.80#	-1.05	-9.90*	0.35	-6.29*	1.98	3.91	1.72
1969-70 DELTA-P	-9.83	-5.50	-1.08	4.54#	-8.96#	-1.96	-8.99	8.57#	0.12	4.95	-2.82	-0.99
CHANGE DELTA-P	1.51	1.37	-0.44	1.21	2.10	0.91	-0.91	-8.22	-6.41	-2.97	6.73	2.71
1972-73 SE OF DP	4.32	3.75	1.85	1.24	2.20	4.25	4.71	2.64	3.03	3.44	2.96	1.90
1969-70 SE OF DP	4.94	2.80	1.86	1.37	3.42	5.16	4.88	3.29	3.38	3.77	3.94	2.09
SE OF CHANGE DELTA-P	6.56	4.68	2.62	1.85	4.07	6.66	6.78	4.22	4.54	5.10	4.93	2.82
AGE: A4												
1972-73 P-VALUE	30.89	35.12	35.67	49.30	22.38	37.59	29.31	38.86	39.28	[illegible]	38.41	37.79
1972-73 SE OF P-VAL	2.33	3.07	2.01	2.08	6.68	3.73	4.10	3.71	4.64	3.54	4.44	1.77
1972-73 DELTA-P	-6.44#	-2.21	-1.66	[illegible]	-14.95*	0.26	-8.02*	1.53	1.95	0.29	1.08	0.46
1972-73 SE OF DP	2.09	2.72	1.60	[illegible]	6.69	3.68	3.66	3.45	4.48	[illegible]	4.20	1.48
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.												
1972-73 P-VALUE	8.87	3.56	6.73	4.55	8.08	4.77	7.12	6.74	7.99	4.55	5.32	6.03
1969-70 P-VALUE	9.51	2.38	3.46	4.02	6.27	2.28	6.00	4.80	3.50	0.45	5.49	4.56
CHANGE P-VALUE	-0.64	1.18	3.27#	0.53	1.81	2.49	1.12	1.94	4.49*	4.10#	-0.17	1.47
1972-73 SE OF P-VAL	2.32	1.25	1.01	0.79	1.43	1.77	2.94	1.68	1.51	1.54	1.19	0.90
1969-70 SE OF P-VAL	3.50	1.03	0.71	0.85	2.14	1.31	1.68	2.23	1.48	0.46	1.67	0.94
SE OF CHANGE P-VALUE	4.20	1.62	1.23	1.16	2.57	2.20	3.39	2.79	2.11	1.61	2.05	1.30
1972-73 DELTA-P	2.94	-2.37	0.80	-1.38*	2.15	-1.16	1.19	0.81	2.06	-1.38	-0.61	0.10
1969-70 DELTA-P	5.37	-1.76	-0.68	-0.12	2.13	-1.86	1.86	0.66	-0.64	-3.69#	1.35	0.42
CHANGE DELTA-P	-2.43	-0.61	1.48	-1.26	0.02	[illegible]	-0.67	0.15	2.70	2.31	-1.96	-0.32
1972-73 SE OF DP	2.28	[illegible]	0.79	0.63	1.36	1.66	2.79	1.62	1.54	1.44	1.12	0.72
1969-70 SE OF DP	3.27	1.08	0.66	0.56	1.90	1.27	1.69	2.01	1.34	0.72	1.50	0.76
SE OF CHANGE DELTA-P	3.99	1.64	1.03	0.84	2.34	2.09	3.26	2.58	2.04	1.61	1.87	1.05

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 102022-24   0P162

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective II.

RESPONSE: 05   AGE: 09   TEXT: I Don't Know.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.61	5.59	7.72	4.78	4.84	3.92	7.10	5.49	6.69	5.35	6.17	5.31	5.90	3.21	10.29	7.02	5.09	5.74	4.57	3.67	4.72	6.12
1972-73 SE OF P-VAL	0.54	1.27	1.41	0.69	1.01	0.66	0.89	0.61	2.16	1.83	0.73	1.14	0.99	0.99	6.44	1.70	1.63	2.43	1.01	1.28	1.11	0.81
1972-73 DELTA-P		-0.02	2.11	-0.83	-0.77	-1.69#	1.57#	-0.12	1.88	0.26	0.56	-0.30	0.29	-2.40#	12.68*	2.21	0.20	0.13	-1.04	-1.94	-0.89	0.51
1972-73 SE OF DP		1.06	1.20	0.70	0.89	0.61	0.56	0.26	2.09	1.82	0.88	1.14	0.77	0.79	6.30	1.69	1.59	2.26	1.73	1.17	1.15	0.62

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102024-3

72-73 Report #: UP163
69-70 Report #: U834

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	04-20
69-70 Package-Exercise:	05-11
72-73 National P-val:	
UP163	23.60
69-70 National P-value:	
UP163	28.71

Timing: (in seconds)		
	Stimulus:	19
	Response:	16
	I don't know:	5
	Pause:	6
UP163	Exercise total:	46

EXERCISE: 102024-3 UP163

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE
RESPONSE: 00 AGE: 17 TEXT: No Response.										
1972-73 P-VALUE	1.31	1.42	0.98	2.26	0.21	1.65	0.96	1.12	2.85	0.96
1969-70 P-VALUE	0.05	0.00	0.00	0.07	0.11	0.06	0.04	0.03	0.00	0.40
CHANGE P-VALUE	1.26*	1.42	0.98	2.19	0.10	1.59*	0.92	1.09	2.85	0.56
1972-73 SE OF P-VAL	0.52	0.91	0.57	1.47	0.21	0.64	0.58	0.56	1.65	0.98
1969-70 SE OF P-VAL	0.04	0.00	0.00	0.07	0.11	0.06	0.04	0.04	0.00	0.41
SE OF CHANGE P-VALUE	0.52	0.91	0.57	1.47	0.24	0.64	0.58	0.56	1.65	1.06
1972-73 DELTA-P		0.11	-0.33	0.95	-1.10	0.34	-0.35	-0.19	1.54	-0.35
1969-70 DELTA-P		-0.05	-0.05	0.02	0.06	0.01	-0.01	-0.02	-0.05	0.35
CHANGE DELTA-P		0.16	-0.28	0.93	-1.16*	0.33	-0.34	-0.17	1.59	-0.70
1972-73 SE OF DP		0.80	0.69	1.06	0.55	0.32	0.32	0.23	1.50	1.08
1969-70 SE OF DP		0.04	0.04	0.06	0.09	0.03	0.04	0.02	0.04	0.39
SE OF CHANGE DELTA-P		0.80	0.69	1.06	0.56	0.32	0.32	0.23	1.50	1.15
RESPONSE: 05* AGE: 17 TEXT: All Acceptable Responses.										
1972-73 P-VALUE	23.60	19.57	25.50	24.39	25.79	25.62	21.53	24.28	17.80	25.77
1969-70 P-VALUE	28.71	27.03	26.00	30.56	29.97	31.38	25.91	28.86	26.32	31.55
CHANGE P-VALUE	-5.11#	-7.46#	-0.50	-6.17	-4.18	-5.76#	-4.38	-4.58*	-8.52*	-5.78
1972-73 SE OF P-VAL	1.18	2.26	1.71	2.69	2.00	1.61	1.63	1.34	2.56	4.21
1969-70 SE OF P-VAL	1.17	1.80	2.71	2.58	2.01	1.64	1.65	1.32	3.22	4.80
SE OF CHANGE P-VALUE	1.66	2.89	3.20	3.73	2.84	2.30	2.32	1.88	4.11	6.38
1972-73 DELTA-P		-4.03*	1.90	0.79	2.19	2.02	-2.07	0.68	-5.80*	2.17
1969-70 DELTA-P		-1.68	-2.71	1.85	1.26	2.67*	-2.80*	0.15	-2.39	2.84
CHANGE DELTA-P		-2.35	4.61	-1.06	0.93	-0.65	0.73	0.53	-3.41	-0.67
1972-73 SE OF DP		1.91	1.78	2.06	1.89	1.12	1.13	0.40	2.58	4.21
1969-70 SE OF DP		1.75	2.46	1.96	1.82	1.15	1.18	0.51	3.16	4.62
SE OF CHANGE DELTA-P		2.59	3.04	2.84	2.62	1.61	1.63	0.65	4.08	6.25
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.										
1972-73 P-VALUE	28.96	29.24	24.64	30.93	29.65	26.86	31.11	29.09	27.11	31.17
1969-70 P-VALUE	21.66	23.63	12.68	25.60	21.45	18.75	24.71	23.02	14.40	16.14
CHANGE P-VALUE	7.30#	5.61	11.96#	5.33	8.20#	8.11#	6.40*	6.07#	12.71#	15.03#
1972-73 SE OF P-VAL	1.10	2.51	2.11	1.76	2.36	1.29	1.86	1.16	2.98	4.08
1969-70 SE OF P-VAL	1.46	2.72	2.45	3.37	1.72	1.59	1.88	1.66	2.33	3.92
SE OF CHANGE P-VALUE	1.83	3.70	3.23	3.80	2.92	2.05	2.64	2.03	3.78	5.66
1972-73 DELTA-P		0.28	-4.32*	1.97	0.69	-2.10	2.15	0.13	-1.85	2.21
1969-70 DELTA-P		1.97	-8.98#	3.94	-0.21	-2.91#	3.05#	1.36#	-7.26#	-5.52
CHANGE DELTA-P		-1.69	4.66	-1.97	0.90	0.81	-0.90	-1.23	5.41	7.73
1972-73 SE OF DP		2.02	2.00	1.56	2.05	1.10	1.17	0.42	2.71	3.94
1969-70 SE OF DP		2.43	2.27	2.53	1.90	0.93	0.97	0.47	2.50	3.84
SE OF CHANGE DELTA-P		3.16	3.03	2.97	2.80	1.44	1.52	0.63	3.69	5.50

	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.												
1972-73 P-VALUE	0.00	1.48	1.35	0.95	5.13	0.00	3.94	1.74	1.14	3.13	0.00	0.62
1969-70 P-VALUE	0.00	0.21	0.00	0.04	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00
CHANGE P-VALUE	0.00	1.27	1.35	0.91*	5.13	0.00	3.94	1.74	0.75	3.13	0.00	0.62
1972-73 SE OF P-VAL	0.00	1.15	0.76	0.42	2.72	0.00	2.25	1.35	1.20	2.36	0.00	0.37
1969-70 SE OF P-VAL	0.00	0.21	0.00	0.05	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.00	1.17	0.76	0.42	2.72	0.00	2.25	1.35	1.23	2.36	0.00	0.37
1972-73 DELTA-P	-1.31#	0.17	0.04	-0.36	3.82	-1.31#	2.63	0.43	-0.17	1.82	-1.31#	-0.69
1969-70 DELTA-P	-0.05	0.16	-0.05	-0.01	-0.05	-0.05	-0.05	-0.05	0.34	-0.05	-0.05	-0.05
CHANGE DELTA-P	-1.26*	0.01	0.09	-0.35	3.87	-1.26*	2.68	0.48	-0.51	1.87	-1.26*	-0.64
1972-73 SE OF DP	0.52	1.14	[illegible]	0.22	2.37	0.52	2.02	1.21	1.21	1.96	0.52	0.57
1969-70 SE OF DP	0.04	0.39	0.04	0.04	0.04	0.04	0.04	0.04	0.25	0.04	0.04	0.04
SE OF CHANGE DELTA-P	0.52	1.15	[illegible]	0.22	2.37	0.52	2.02	1.21	1.24	1.96	0.52	0.57
RESPONSE: 05* AGE: 17 TEXT: All Acceptable Responses.												
1972-73 P-VALUE	23.07	21.97	21.27	26.11	19.11	24.16	26.35	15.89	23.48	20.86	25.55	26.18
1969-70 P-VALUE	30.16	25.27	28.28	29.86	28.79	26.96	25.68	28.47	30.44	29.99	31.55	27.65
CHANGE P-VALUE	-7.09	-3.30	-7.01#	-3.75	-9.68	-2.80	0.67	-12.58#	-6.96	-9.13*	-6.00	-1.47
1972-73 SE OF P-VAL	3.60	2.72	1.59	2.04	2.61	3.45	3.88	3.38	3.46	2.92	3.06	1.71
1969-70 SE OF P-VAL	5.03	2.95	2.07	1.73	13.25	2.71	3.65	3.64	3.91	3.40	2.85	2.32
SE OF CHANGE P-VALUE	6.19	4.01	2.61	2.67	13.50	4.39	5.33	4.97	5.22	4.48	4.18	2.88
1972-73 DELTA-P	-0.53	-1.63	-2.33	2.51*	-4.49	0.56	2.75	-7.71#	-0.12	-2.74	1.95	2.58
1969-70 DELTA-P	1.45	-3.44	-0.43	1.15	0.08	-1.75	-3.03	-0.24	1.73	1.28	2.84	-1.06
CHANGE DELTA-P	-1.98	1.81	-1.90	1.36	-4.57	2.31	5.78	-7.47	-1.85	-4.02	-0.89	3.64
1972-73 SE OF DP	3.61	2.62	1.55	1.25	2.49	3.28	3.58	3.04	3.34	2.63	2.84	1.52
1969-70 SE OF DP	4.85	2.75	1.73	1.28	13.11	2.62	3.61	3.66	3.74	3.12	2.50	1.82
SE OF CHANGE DELTA-P	6.05	3.80	2.32	1.79	13.34	4.20	5.08	4.76	5.01	4.08	3.78	2.37
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.												
1972-73 P-VALUE	21.89	26.09	33.15	27.64	29.08	29.08	25.68	26.48	32.74	35.32	30.11	25.84
1969-70 P-VALUE	22.08	19.61	22.02	22.00	21.12	18.98	16.12	21.64	21.86	26.65	26.09	20.32
CHANGE P-VALUE	-0.19	6.48	11.13#	5.64*	7.96	10.10*	9.56	4.84	10.88#	8.67	4.02	5.52
1972-73 SE OF P-VAL	4.40	3.09	1.99	1.79	3.49	2.44	3.83	3.02	2.95	3.58	2.65	1.82
1969-70 SE OF P-VAL	3.89	2.97	2.03	1.98	8.68	3.49	3.09	4.60	2.94	3.18	2.91	3.33
SE OF CHANGE P-VALUE	5.87	4.29	2.84	2.67	9.36	4.26	4.92	5.50	4.16	4.79	3.94	3.79
1972-73 DELTA-P	-7.07	-2.87	4.19*	-1.32	0.12	0.12	-3.28	-2.48	3.78	6.36	1.15	-3.12
1969-70 DELTA-P	0.42	-2.05	0.36	0.34	-0.54	-2.68	-5.54	-0.02	0.20	4.99	4.43	-1.34
CHANGE DELTA-P	-7.49	-0.82	3.83	-1.66	0.66	2.80	2.26	-2.46	3.58	1.37	-3.28	-1.78
1972-73 SE OF DP	4.42	2.91	1.80	1.16	3.40	2.52	3.64	2.90	2.87	3.21	2.44	1.58
1969-70 SE OF DP	3.48	2.36	1.59	1.30	8.95	3.46	2.93	4.46	2.79	3.10	2.81	2.53
SE OF CHANGE DELTA-P	5.63	3.75	2.40	1.74	9.57	4.28	4.67	5.32	4.00	4.46	3.72	2.98

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102025-3

72-73 Report #: UP164
69-70 Report #: U815

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

	17IS
Age:	
72-73 Package-Exercise:	07-04
69-70 Package-Exercise:	07-09
72-73 National P-val: UP164	63.35
69-70 National P-value: UP164	67.54
Timing: (in seconds)	
Stimulus:	16
Response:	19
I don't know:	5
Pause:	5
Exercise total:	45

UP164

EXERCISE: 102025-3 UP164

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	0.19	0.39	0.00	0.06	0.26	0.14	0.24	0.21	0.13	0.00	0.00	0.00	0.05	0.14	1.72	0.00	0.21	0.00	1.13	0.00	0.45	0.00
1969-70 P-VALUE	0.04	0.16	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
CHANGE P-VALUE	0.15	0.23	0.00	0.06	0.26	0.05	0.24	0.16	0.13	0.00	0.00	0.00	0.06	0.05	1.72	0.00	0.21	0.00	1.13	0.00	0.45	-0.11
1972-73 SE OF P-VAL	0.12	0.39	0.00	0.06	0.25	0.14	0.20	0.15	0.13	0.00	0.00	0.00	0.05	0.14	1.76	0.00	[illegible]	0.00	1.14	0.00	0.43	0.00
1969-70 SE OF P-VAL	0.04	0.16	0.00	0.00	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
SE OF CHANGE P-VALUE	0.13	0.42	0.00	0.06	0.25	0.17	0.20	0.16	0.13	0.00	0.00	0.00	0.05	0.17	1.76	0.00	0.20	0.00	1.14	0.00	0.43	0.12
1972-73 DELTA-P		0.20	-0.19	-0.13	0.07	-0.05	0.05	0.02	-0.06	-0.19	-0.19	-0.19	-0.13	-0.05	1.53	-0.19	0.02	-0.19	0.94	-0.19	0.26	-0.19
1969-70 DELTA-P		0.12	-0.04	-0.04	-0.04	0.05	-0.04	0.01	-0.04	-0.04	-0.04	-0.04	-0.04	0.05	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.07
CHANGE DELTA-P		0.08	-0.15	-0.09	0.11	-0.10	0.09	0.01	-0.02	-0.15	-0.15	-0.15	-0.09	-0.10	1.57	-0.15	0.06	-0.15	0.98	-0.15	0.30	-0.26
1972-73 SE OF DP		0.29	0.12	0.13	0.22	0.13	0.12	0.03	0.17	0.12	0.12	0.12	0.13	0.13	1.65	0.12	0.22	0.12	1.08	0.12	0.38	0.12
1969-70 SE OF DP		0.12	0.05	0.04	0.04	0.05	0.04	0.01	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07
SE OF CHANGE DELTA-P		0.31	0.13	0.14	0.22	0.14	0.13	0.03	0.17	0.13	0.13	0.13	0.14	0.14	1.65	0.13	0.22	0.13	1.04	0.13	0.38	0.14
RESPONSE: 01* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	63.35	66.02	59.57	62.70	64.24	73.18	54.62	66.17	48.93	52.03	54.86	57.54	63.11	66.80	56.80	64.65	52.34	65.32	59.18	61.26	66.21	65.84
1969-70 P-VALUE	67.54	71.37	63.51	64.53	70.13	74.50	60.94	69.07	52.17	65.69	62.17	55.70	65.01	73.58	55.46	60.64	56.38	72.88	64.63	74.98	65.78	69.37
CHANGE P-VALUE	-4.19*	-5.35	-3.94	-1.83	-5.89	-1.32	[illegible]	-2.90	-3.24	-13.66*	-7.31	1.84	-1.90	-6.78#	1.34	4.01	-4.04	-7.56	-5.45	-13.72	0.43	-3.53
1972-73 SE OF P-VAL	1.40	3.28	3.08	2.65	1.90	1.85	1.84	1.54	3.50	5.08	3.98	3.63	2.64	1.66	5.00	2.99	4.03	4.84	4.39	3.91	3.36	2.32
1969-70 SE OF P-VAL	1.41	2.92	2.90	2.64	2.53	2.24	1.87	1.49	3.60	3.56	4.91	3.27	2.36	1.67	13.07	3.86	6.35	3.50	2.22	5.74	2.66	2.34
SE OF CHANGE P-VALUE	1.99	4.39	4.23	3.74	3.16	2.91	2.62	2.14	5.02	6.20	6.32	4.89	3.54	2.35	13.99	4.88	7.52	5.97	4.92	6.95	4.29	3.30
1972-73 DELTA-P		2.67	-3.78	-0.65	0.89	9.83#	-8.73#	2.82#	-14.42#	-11.32*	-8.49*	-5.81	-0.24	3.45#	-6.55	1.30	-11.01#	1.97	-4.17	-2.09	2.86	2.49
1969-70 DELTA-P		3.83	-4.03	-3.01	2.59	6.96#	-6.60#	1.53#	-15.37#	-1.85	-5.37	-11.84#	-2.53	6.04#	-12.08	-6.90	-11.16	5.34	-2.91	7.44	-1.76	1.83
CHANGE DELTA-P		-1.16	0.25	2.36	-1.70	2.87	-2.13	1.29	0.95	-9.47	-3.12	6.03	2.29	-2.59	5.53	8.20	0.15	-3.37	-1.26	-9.53	4.62	0.66
1972-73 SE OF DP		2.59	2.76	2.28	1.95	1.25	1.14	0.61	3.36	4.99	3.79	3.36	1.97	1.30	4.55	2.96	3.87	4.52	4.14	3.56	3.04	1.86
1969-70 SE OF DP		2.42	2.75	2.13	2.32	1.53	1.50	0.44	3.47	3.57	4.84	2.66	1.67	1.42	12.75	3.86	6.01	3.39	2.40	5.30	2.47	1.80
SE OF CHANGE DELTA-P		3.54	3.90	3.12	3.03	1.98	1.88	0.75	4.83	6.14	6.15	4.29	2.58	1.93	13.54	4.86	7.15	5.65	4.79	6.38	3.92	2.59
RESPONSE: 09 AGE: 17	TEXT: I Don't Know.																					
1972-73 P-VALUE	11.51	11.15	10.84	11.92	12.03	[illegible]	15.64	10.55	15.73	17.09	15.27	13.78	11.46	10.40	12.51	10.89	12.27	12.17	11.51	13.57	7.91	11.93
1969-70 P-VALUE	9.64	7.69	10.26	12.12	8.09	6.60	12.52	9.41	11.23	11.29	10.12	13.46	10.76	8.07	2.59	13.45	9.76	7.72	12.55	5.24	8.65	9.97
CHANGE P-VALUE	1.87	3.46	0.58	-0.20	3.94	[illegible]	3.12	1.14	4.50	5.80	5.15	0.32	0.70	2.33	9.92#	-2.56	2.51	4.45	-1.04	8.33#	-0.74	1.96
1972-73 SE OF P-VAL	0.69	1.21	1.53	1.33	1.48	[illegible]	1.20	0.72	2.27	2.98	3.48	2.72	1.25	1.06	2.91	1.59	1.88	2.46	3.58	1.69	2.04	1.34
1969-70 SE OF P-VAL	0.85	1.38	2.13	1.71	1.68	1.04	1.26	0.95	1.57	2.84	3.16	2.03	1.44	0.99	1.89	3.67	1.93	2.15	2.17	1.60	1.54	1.68
SE OF CHANGE P-VALUE	1.09	1.84	2.62	2.17	2.24	1.34	1.74	1.19	2.76	4.12	4.70	3.39	1.91	1.45	3.47	4.00	2.69	3.27	4.19	2.33	2.56	2.15
1972-73 DELTA-P		-0.36	-0.67	0.41	0.52	-4.65#	4.13#	-0.96#	4.22*	5.58	3.76	2.27	-0.05	-1.11	1.00	-0.62	0.76	0.66	0.00	2.06	[illegible]	0.42
1969-70 DELTA-P		-1.95	0.62	2.48	-1.55	-3.04#	2.88#	-0.23	1.59	1.65	0.48	3.82*	1.12	-1.57*	-7.05#	3.81	0.12	-1.92	2.91	-4.40#	[illegible]	0.33
CHANGE DELTA-P		1.59	-1.29	-2.07	2.07	-1.61	1.25	-0.73	2.63	3.93	3.28	-1.55	-1.17	0.46	8.05*	-4.43	0.64	2.58	-2.91	6.46#	[illegible]	0.09
1972-73 SE OF DP		1.06	1.36	1.18	1.26	0.83	0.77	0.33	2.10	2.91	3.38	2.65	1.12	0.77	2.75	1.63	1.82	2.36	3.26	1.58	2.06	1.16
1969-70 SE OF DP		1.26	1.94	1.33	1.51	0.78	0.77	0.21	1.66	2.81	2.92	1.72	1.05	0.77	1.98	3.55	1.95	2.07	2.02	1.55	1.49	1.22
SE OF CHANGE DELTA-P		1.65	2.37	1.75	1.97	1.14	1.09	0.39	2.68	4.05	4.47	3.16	1.54	1.09	3.39	3.91	2.67	3.14	3.84	2.21	2.56	1.68

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 102029-24

72-73 Report #: UP165
69-70 Report #: U738

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know laws (principles).

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	Adult
72-73 Package-Exercise:	06-18	05-18
69-70 Package-Exercise:	08-03	
72-73 National P-val:		
UP165	42.09	48.85
69-70 National P-value:		
UP165	40.49	

Timing: (in seconds)		
Stimulus:	12	14
Response:	10	*
I don't know:	5	*
Pause:	5	*
UP165 Exercise total:	32	*

*Time not limited by paced tape.

EXERCISE: 102029-24 UP165

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.22	0.23	0.21	0.00	0.47	0.19	0.25	0.16	0.70	0.20	0.00	0.15	0.13	0.35	0.17	0.00	0.82	0.00	0.45	0.00	0.00	0.35
1969-70 P-VALUE	0.10	0.15	0.32	-0.01	-0.01	0.20	-0.01	0.10	0.17	-0.01	-0.01	0.22	-0.01	0.09	0.45	[illegible]	-0.01	-0.01	0.39	0.22	-0.01	0.12
CHANGE P-VALUE	0.12	0.08	-0.11	0.01	0.48	-0.01	0.26	0.06	0.53	0.21	0.01	-0.07	0.14	0.26	-0.28	[illegible]	0.83	0.01	0.06	-0.22	0.01	0.23
1972-73 SE OF P-VAL	0.10	0.17	0.19	0.00	0.32	0.12	0.16	0.10	0.41	0.20	0.00	0.15	0.12	0.21	0.16	0.00	0.64	0.00	0.42	0.00	0.00	0.23
1969-70 SE OF P-VAL	0.04	0.02	0.28	0.00	0.00	0.09	0.00	0.05	0.18	0.00	0.00	0.23	0.00	0.01	0.45	0.00	0.00	0.00	0.08	0.24	0.00	0.13
SE OF CHANGE P-VALUE	0.11	0.17	0.31	0.00	0.32	0.15	0.16	0.11	0.45	0.20	0.00	0.27	0.12	0.21	0.48	0.00	0.64	0.00	0.43	0.24	0.00	0.26
1972-73 DELTA-P		0.01	-0.01	-0.22*	0.25	-0.03	0.03	-0.06	0.48	-0.02	-0.22*	-0.07	-0.09	0.13	-0.05	-0.22*	0.60	-0.22*	0.23	-0.22*	-0.22*	0.13
1969-70 DELTA-P		0.05	0.22	-0.11*	-0.11*	0.10*	-0.11*	0.00	0.07	-0.11*	-0.11*	0.12	-0.11*	-0.01	0.35	-0.11*	-0.11*	-0.11*	0.29#	0.12	-0.11*	0.02
CHANGE DELTA-P		-0.04	-0.23	-0.11	0.36	-0.13	0.14	-0.06	0.41	0.09	-0.11	-0.19	0.02	0.14	-0.40	0.11	0.71	-0.11	-0.06	-0.34	-0.11	0.11
1972-73 SE OF DP		0.16	0.17	0.10	0.25	0.10	0.10	0.05	0.37	0.19	0.10	0.15	0.12	0.13	0.16	[illegible]	0.60	0.10	0.40	0.10	0.10	0.16
1969-70 SE OF DP		0.05	0.19	0.05	0.05	0.04	0.05	0.02	0.16	0.05	0.05	0.21	0.05	0.05	0.41	[illegible]	0.05	0.05	0.09	0.22	0.05	0.09
SE OF CHANGE DELTA-P		0.17	0.25	0.11	0.25	0.11	0.11	0.05	0.40	0.20	0.11	0.26	0.13	0.14	0.44	0.11	0.60	0.11	0.41	0.24	0.11	0.18
AGE: 17																						
1972-73 P-VALUE	0.34	0.63	0.84	0.00	0.00	0.00	0.65	0.20	1.70	0.00	1.10	0.00	0.00	0.19	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.59
1972-73 SE OF P-VAL	0.22	0.48	0.83	0.00	0.00	0.00	0.42	0.15	1.64	0.00	0.79	0.00	0.00	0.19	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.47
1972-73 DELTA-P		0.29	0.50	-0.34	-0.34	-0.34	0.31	-0.14	1.36	-0.34	0.76	-0.34	-0.34	-0.15	-0.34	-0.34	-0.34	0.50	-0.34	-0.34	-0.34	0.25
1972-73 SE OF DP		0.40	0.67	0.22	0.22	0.22	0.20	0.18	1.47	0.22	0.56	0.22	0.22	0.25	0.22	0.22	0.22	0.73	0.22	0.22	0.22	0.31
RESPONSE: 04* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	42.09	43.27	39.60	45.83	38.85	45.95	38.52	45.47	24.29	29.00	38.40	35.74	42.71	47.04	32.01	37.08	29.53	54.01	41.43	34.64	38.98	45.94
1969-70 P-VALUE	40.49	40.69	42.45	40.56	38.64	44.86	35.50	44.38	20.33	30.42	39.86	27.56	36.73	46.95	35.48	31.54	24.02	44.25	41.07	46.90	41.39	42.37
CHANGE P-VALUE	1.60	2.58	-2.85	5.27	0.21	1.09	3.02	1.09	3.96	-1.42	-1.46	8.18	5.98	0.09	-3.47	5.54	5.51	9.76	0.36	-12.26	-2.41	3.57
1972-73 SE OF P-VAL	1.37	3.52	3.52	1.68	2.36	2.02	1.83	1.51	3.18	3.75	6.17	3.81	[illegible]	2.03	3.26	2.51	2.57	3.58	4.70	4.04	4.90	2.10
1969-70 SE OF P-VAL	1.59	3.41	3.46	3.04	2.62	2.22	2.23	1.78	2.50	3.90	5.49	3.57	[illegible]	1.94	4.98	5.83	3.47	3.92	2.20	5.53	4.63	2.72
SE OF CHANGE P-VALUE	2.10	4.90	4.94	3.47	3.53	3.00	2.88	2.33	4.05	5.41	8.26	5.17	3.12	2.81	5.95	6.35	4.32	5.31	5.19	6.85	6.74	3.44
1972-73 DELTA-P		1.18	-2.49	3.74*	-3.24	3.86#	-3.57#	3.38#	-17.80#	-13.09#	-3.69	-6.35	0.62	4.95#	-10.08#	-5.01	-12.56#	11.92#	-0.66	-7.45*	-3.11	3.85*
1969-70 DELTA-P		0.20	1.96	0.07	-1.85	4.37#	-4.99#	3.89#	-20.16#	-10.07*	-0.63	-12.93#	-3.76*	6.46#	-5.01	-8.95	-16.47#	3.76	0.58	6.41	0.90	1.88
CHANGE DELTA-P		0.98	-4.45	3.67	-1.39	-0.51	1.42	-0.51	2.36	-3.02	-3.06	6.58	4.38	-1.51	-5.07	3.94	3.91	8.16	-1.24	-13.86*	-4.01	1.97
1972-73 SE OF DP		2.88	2.99	1.73	2.18	1.38	1.31	0.59	3.16	3.83	5.70	3.55	1.73	1.41	3.15	2.61	2.72	3.26	4.54	3.57	4.60	1.86
1969-70 SE OF DP		2.83	3.07	2.54	2.43	1.46	1.62	0.69	2.41	4.17	5.62	[illegible]	1.61	1.08	[illegible]	5.63	3.59	3.78	2.52	5.13	4.06	2.15
SE OF CHANGE DELTA-P		4.04	4.29	3.07	3.26	2.01	2.08	0.91	3.97	5.66	[illegible]	4.98	2.36	1.78	[illegible]	6.21	4.50	4.99	5.19	6.25	6.14	2.84
AGE: 17																						
1972-73 P-VALUE	48.85	48.77	45.77	49.71	50.55	57.64	40.68	53.34	[illegible]	23.06	35.52	[illegible]	52.54	62.72	31.93	[illegible]	32.76	61.25	40.43	46.32	48.87	51.39
1972-73 SE OF P-VAL	1.31	2.84	2.60	1.71	1.15	1.98	1.34	1.37	[illegible]	8.77	2.39	3.38	2.44	2.47	6.76	4.52	3.81	3.76	4.47	4.33	4.57	1.76
1972-73 DELTA-P		-0.08	-3.08	0.86	1.70	8.79#	-8.17#	4.49#	-19.59#	25.79#	-13.83#	-3.91	3.69	13.87#	-16.92*	-2.35	-16.09#	12.40#	-7.92	-2.53	0.02	2.54
1972-73 SE OF DP		2.39	2.36	1.73	2.55	1.31	1.23	0.68	3.58	4.75	2.21	3.38	1.97	1.92	6.87	4.37	3.98	3.40	4.34	3.88	4.17	1.64
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	5.04	4.64	5.12	5.07	5.32	3.98	6.02	4.24	8.09	[illegible]	9.71	6.31	5.53	2.99	7.14	4.10	10.47	2.18	4.68	6.10	7.07	4.11
1969-70 P-VALUE	3.28	3.18	2.97	3.03	3.90	2.76	3.89	2.78	6.41	3.60	1.99	4.85	3.58	2.39	5.51	5.24	6.19	2.21	4.19	1.06	3.03	3.08
CHANGE P-VALUE	1.76*	1.46	2.15*	2.04	1.42	1.22	2.13	1.46*	1.68	[illegible]	7.72*	1.46	1.95	0.60	1.63	-1.14	4.28	-0.03	0.49	5.04#	4.04	1.03
1972-73 SE OF P-VAL	0.61	0.95	0.63	1.50	1.38	0.68	0.96	0.58	1.96	2.25	3.05	1.91	1.07	0.65	1.50	1.80	3.76	0.85	0.93	1.44	1.99	0.75
1969-70 SE OF P-VAL	0.37	0.77	0.73	0.63	0.82	0.50	0.60	0.39	1.51	1.57	1.49	1.54	0.68	0.51	1.27	1.53	1.33	1.01	1.16	0.59	[illegible]	0.78
SE OF CHANGE P-VALUE	0.71	1.22	0.96	1.63	1.61	0.84	1.13	0.70	2.47	2.74	3.39	2.45	1.27	0.83	1.97	2.36	3.99	1.32	1.49	1.56	2.20	1.08
1972-73 DELTA-P		-0.40	0.08	0.03	0.28	-1.06	0.98	-0.80#	3.05	5.24#	4.67	1.27	0.49	-2.05#	2.10	-0.94	5.43	-2.86#	-0.36	1.06	2.03	-0.93
1969-70 DELTA-P		-0.10	-0.31	-0.25	0.62	-0.52	0.61	-0.50*	3.13*	0.32	-1.29	1.57	0.30	-0.89*	2.23	1.96	2.91*	-1.07	0.91	-2.22#	-0.25	-0.20
CHANGE DELTA-P		-0.30	0.39	0.28	-0.34	-0.54	0.37	-0.30	-0.08	4.92	5.96	-0.30	0.19	-1.16	-0.13	-2.90	2.52	-1.79	-1.27	3.28*	2.28	-0.73
1972-73 SE OF DP		0.92	0.77	1.15	1.15	0.60	0.56	0.31	1.74	2.03	2.98	1.93	0.84	[illegible]	1.22	1.68	3.49	0.91	1.12	1.29	1.81	0.69
1969-70 SE OF DP		0.65	0.68	0.55	0.68	0.38	0.43	0.24	1.40	1.55	1.54	[illegible]	0.54	0.38	1.23	1.57	1.24	0.94	1.10	0.67	0.85	0.64
SE OF CHANGE DELTA-P		1.13	1.03	1.27	1.34	0.71	0.71	0.39	2.23	2.55	3.35	2.38	1.00	0.64	1.73	2.30	3.70	1.31	1.57	1.45	2.00	0.94

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 102029-24 UP165

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IB.

RESPONSE: 09 AGE: A4 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.82	5.17	7.72	5.05	5.73	4.92	6.66	4.80	5.59	19.20	9.12	4.90	5.46	2.82	11.72	10.08	6.82	5.94	6.66	7.95	4.34	4.27
1972-73 SE OF P-VAL	0.74	2.26	1.10	0.96	1.19	1.23	0.71	0.56	1.59	5.74	1.97	1.59	1.07	0.83	5.94	2.69	2.35	2.72	2.63	2.17	1.06	0.75
1972-73 DELTA-P		-0.65	1.90	-0.77	-0.09	-0.90	0.84	-1.02	-0.23	13.38#	3.30*	-0.92	-0.36	-3.00#	5.90	4.26	1.00	0.12	0.84	2.13	-1.48	1.55
1972-73 SE OF DP		1.76	1.11	0.98	1.11	0.69	0.64	0.52	1.33	5.24	1.47	1.62	0.89	0.97	5.82	2.63	2.16	2.22	2.27	2.13	1.46	0.86

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 103003-234

72-73 Report #: UB166

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: C. Know conceptual schemes.

Science Type: Biological science

Exercise Type: Apparatus needed
Scoring Type: Semi-professional
Administration Mode: Individual

Age:	13	17IS	Adult
72-73 Package-Exercise:	11-09	13-07	08-07
72-73 National P-val:			
UB166A	55.77	62.56	67.93
UB166B	40.45	51.69	57.54
UB166C	58.01	64.67	70.88
UB166D	37.49	47.91	54.73

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 103003-234 UB166

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IC.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 — TEXT: No Response.																						
Response did not occur at this age.																						
AGE: 17																						
1972-73 P-VALUE	0.27	0.44	0.29	0.26	0.09	0.03	0.50	0.27	0.38	0.00	0.00	0.43	0.42	0.20	0.00	0.54	0.22	0.00	0.00	0.78	0.00	0.26
1972-73 SE OF P-VAL	0.15	0.45	0.22	0.26	0.09	0.04	0.28	0.17	0.38	0.00	0.00	0.44	0.37	0.16	0.00	0.54	0.23	0.00	0.00	0.76	0.00	0.22
1972-73 DELTA-P		0.17	0.02	-0.01	-0.18	-0.24	0.23	0.00	0.11	-0.27	-0.27	0.16	0.15	-0.07	-0.27	0.27	-0.05	-0.27	-0.27	0.51	-0.27	-0.01
1972-73 SE OF DP		0.34	0.23	0.23	0.16	0.15	0.14	0.05	0.37	0.15	0.15	0.43	0.27	0.15	0.15	0.51	0.25	0.15	0.15	0.65	0.15	0.19
AGE: Ad																						
1972-73 P-VALUE	0.15	0.10	0.31	0.21	0.00	0.14	0.16	0.10	0.62	0.00	0.35	0.00	0.00	0.22	0.00	0.00	0.67	0.00	0.00	0.00	0.75	0.00
1972-73 SE OF P-VAL	0.09	0.10	0.31	0.20	0.00	0.14	0.12	0.07	0.63	0.00	0.28	0.00	0.00	0.22	0.00	0.00	0.69	0.00	0.00	0.00	0.56	0.00
1972-73 DELTA-P		-0.05	0.16	0.06	-0.15	-0.01	0.01	-0.05	0.47	-0.15	0.20	-0.15	-0.15	0.07	-0.15	-0.15	0.52	-0.15	-0.15	-0.15	0.60	-0.15
1972-73 SE OF DP		0.12	0.25	0.16	0.09	0.09	0.09	0.07	0.57	0.09	0.21	0.09	0.09	0.18	0.09	0.09	0.63	0.09	0.09	0.09	0.50	0.09
RESPONSE: 03* AGE: 13 — TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	55.77	56.44	49.71	55.13	61.43	59.14	52.36	56.55	54.58	49.01	47.19	53.70	54.40	61.28	46.86	57.05	59.05	59.22	51.61	62.84	50.63	53.58
1972-73 SE OF P-VAL	1.30	2.51	3.21	2.58	2.28	1.89	1.83	1.52	2.57	3.67	4.13	4.16	2.39	1.73	3.92	2.64	3.20	4.28	3.66	2.98	2.69	2.89
1972-73 DELTA-P		0.67	-6.06*	-0.64	5.66#	3.37#	-3.41#	0.78	-1.19	-6.76	-8.58*	-2.07	-1.37	5.51#	[illegible]	1.28	3.28	3.45	-4.16	7.07*	-5.14*	-2.19
1972-73 SE OF DP		2.21	2.77	2.12	2.11	1.34	1.35	0.49	2.45	3.76	4.08	3.97	1.75	1.42	3.74	2.79	3.23	4.09	3.48	2.96	2.52	2.13
AGE: 17																						
1972-73 P-VALUE	62.56	62.95	54.76	66.33	64.32	65.35	59.91	63.42	57.89	58.97	52.83	55.64	61.27	66.75	56.77	53.84	61.66	65.16	63.50	67.05	64.38	60.97
1972-73 SE OF P-VAL	1.74	3.41	2.65	2.69	4.62	2.33	2.11	1.87	2.83	5.83	6.77	3.25	2.27	2.22	4.36	5.15	2.89	4.73	5.23	3.35	4.19	3.48
1972-73 DELTA-P		0.39	-7.80#	3.77	1.76	2.79	-2.65*	0.86	-4.67	-3.59	-9.73	-6.92*	-1.29	4.19#	-5.79	-8.72	-0.90	2.60	0.94	4.49	1.82	-1.59
1972-73 SE OF DP		2.90	2.70	2.59	3.75	1.42	1.32	0.49	3.08	5.04	6.04	2.97	1.87	1.22	4.25	5.12	2.91	4.59	5.09	3.22	3.62	2.51
AGE: Ad																						
1972-73 P-VALUE	67.93	67.18	59.73	71.95	71.21	70.65	65.41	70.20	53.23	61.45	61.30	67.18	68.16	75.36	61.83	61.33	57.90	80.76	66.48	68.07	62.39	69.34
1972-73 SE OF P-VAL	1.53	2.93	3.56	2.38	3.06	1.75	2.03	1.63	3.68	5.97	2.81	3.45	2.01	2.75	5.91	6.34	4.37	3.06	5.11	5.21	7.06	1.91
1972-73 DELTA-P		-0.75	-8.20#	4.02	3.28	2.72*	-2.52*	2.27#	-14.70#	-6.48	-6.63#	-0.75	0.23	7.43#	-6.10	-6.60	-10.03*	12.83#	-1.45	0.14	-5.54	1.41
1972-73 SE OF DP		2.57	3.03	2.18	2.61	1.16	1.09	0.58	3.62	5.77	2.32	2.90	1.78	2.17	6.00	5.92	4.40	3.09	4.91	4.85	6.49	1.78
RESPONSE: 09 AGE: 13 — TEXT: I Don't Know.																						
1972-73 P-VALUE	0.16	0.56	0.00	0.00	0.07	0.18	0.14	0.06	0.34	0.94	0.85	0.33	0.00	0.13	0.18	0.00	0.58	0.00	0.37	0.00	0.19	0.16
1972-73 SE OF P-VAL	0.06	0.23	0.00	0.00	0.07	0.10	0.08	0.04	0.24	0.52	0.45	0.33	0.00	0.08	0.18	0.00	0.41	0.00	0.36	0.00	0.17	0.12
1972-73 DELTA-P		0.40*	-0.16#	-0.16#	-0.09	0.02	-0.02	-0.10	0.18	0.78	0.69	0.17	-0.16#	-0.03	0.02	-0.16#	0.42	-0.16#	0.21	-0.16#	0.03	0.00
1972-73 SE OF DP		0.18	0.06	0.06	0.08	0.07	0.07	0.05	0.21	0.49	0.42	0.31	0.06	0.07	0.17	0.06	0.40	0.06	0.33	0.06	0.16	0.09
AGE: 17																						
1972-73 P-VALUE	0.30	0.72	0.16	0.10	0.19	0.32	0.28	0.27	0.29	0.79	0.69	0.00	0.21	0.11	3.06	0.37	0.00	0.00	0.00	1.03	0.00	0.33
1972-73 SE OF P-VAL	0.14	0.47	0.15	0.10	0.18	0.24	0.14	0.15	0.29	0.82	0.70	0.00	0.15	0.11	2.41	0.37	0.00	0.00	0.00	0.74	0.00	0.21
1972-73 DELTA-P		0.42	-0.14	-0.20	-0.11	0.02	-0.02	-0.03	-0.01	0.49	0.39	-0.30*	-0.09	-0.19	2.76	0.07	-0.30*	-0.30*	-0.30*	0.73	-0.30*	0.03
1972-73 SE OF DP		0.35	0.18	0.15	0.19	0.14	0.13	0.06	0.29	0.79	0.67	0.14	0.16	0.14	2.30	0.36	0.14	0.14	0.14	0.63	0.14	0.18
AGE: Ad																						
1972-73 P-VALUE	0.41	0.25	0.84	0.00	0.65	0.62	0.22	0.47	0.00	0.35	0.38	0.66	0.44	0.30	0.00	1.01	0.40	0.54	0.62	0.00	1.13	0.11
1972-73 SE OF P-VAL	0.16	0.18	0.59	0.00	0.34	0.31	0.14	0.20	0.00	0.32	0.31	0.65	0.27	0.23	0.00	0.90	0.39	0.53	0.61	0.00	1.00	0.02
1972-73 DELTA-P		-0.16	0.43	-0.41#	0.24	0.21	-0.19	0.06	-0.41#	-0.06	-0.03	0.25	0.03	-0.11	-0.41#	0.60	-0.01	0.13	0.21	-0.41#	0.72	-0.30
1972-73 SE OF DP		0.21	0.47	0.16	0.29	0.18	0.16	0.04	0.16	0.37	0.28	0.57	0.23	0.23	0.16	0.83	0.39	0.48	0.58	0.16	0.91	0.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 103003-234 UB166

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IC.

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
Response did not occur at this age.																						
AGE: 17																						
1972-73 P-VALUE	0.27	0.44	0.29	0.26	0.09	0.03	0.50	0.27	0.38	0.00	0.00	0.43	0.42	0.20	0.00	0.54	0.22	0.00	0.00	0.78	0.00	0.26
1972-73 SE OF P-VAL	0.15	0.45	0.22	0.26	0.09	0.04	0.28	0.17	0.38	0.00	0.00	0.44	0.37	0.16	0.00	0.54	0.23	0.00	0.00	0.76	0.00	0.22
1972-73 DELTA-P		0.17	0.02	-0.01	-0.18	-0.24	0.23	0.00	0.11	-0.27	-0.27	0.16	0.15	-0.07	-0.27	0.27	-0.05	-0.27	-0.27	0.51	-0.27	-0.01
1972-73 SE OF DP		0.34	0.23	0.23	0.16	0.15	0.14	0.05	0.37	0.15	0.15	0.43	0.27	0.15	0.15	0.51	0.25	0.15	0.15	0.65	0.15	0.19
AGE: Ad																						
1972-73 P-VALUE	0.08	0.10	0.00	0.20	0.00	0.00	0.16	0.10	0.00	0.00	0.10	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00
1972-73 SE OF P-VAL	0.06	0.10	0.00	0.20	0.00	0.00	0.12	0.07	0.00	0.00	0.10	0.00	0.00	0.22	0.00	0.70	0.00	0.00	0.00	0.00	0.56	0.00
1972-73 DELTA-P		0.02	-0.08	0.12	-0.08	-0.08	0.08	0.02*	-0.08	-0.08	0.02	-0.08	-0.08	0.14	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	0.67	-0.08
1972-73 SE OF DP		0.10	0.06	0.15	0.06	0.06	0.06	0.01	0.06	0.06	0.09	0.06	0.06	0.16	0.06	0.06	0.06	0.06	0.06	0.06	0.50	0.06
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	40.45	40.03	36.66	38.41	46.83	42.04	38.85	40.92	38.85	38.02	35.40	40.09	39.27	44.30	33.36	36.64	47.81	45.31	38.16	43.95	36.42	39.08
1972-73 SE OF P-VAL	1.23	1.66	2.03	2.89	2.74	1.73	1.81	1.34	2.88	5.87	3.60	3.70	2.09	1.96	3.73	3.03	5.61	3.77	3.08	2.98	2.12	1.91
1972-73 DELTA-P		-0.42	-3.79	-2.04	6.38#	1.59	-1.60	0.47	-1.60	-2.43	-5.05	-0.36	-1.18	3.85#	-7.09	-3.81	7.36	4.86	-2.29	3.50	-4.03	-1.37
1972-73 SE OF DP		1.70	1.96	2.23	2.34	1.27	1.28	0.54	2.88	5.45	3.29	3.60	1.63	1.45	3.73	2.89	5.15	3.45	3.03	2.44	2.21	1.63
AGE: 17																						
1972-73 P-VALUE	51.69	54.28	47.93	51.60	52.13	54.37	49.14	52.51	50.10	42.59	45.35	45.47	48.76	55.76	52.53	42.56	53.04	[illegible]	51.35	55.33	54.21	48.17
1972-73 SE OF P-VAL	1.46	3.00	2.36	2.84	3.13	1.91	2.13	1.55	3.43	4.56	5.20	3.64	1.90	1.98	6.23	4.47	2.58	4.99	6.03	3.82	3.22	2.65
1972-73 DELTA-P		[illegible]	-3.76	-0.09	0.44	2.68	-2.55	0.82	-1.59	-9.10*	-6.34	-6.22	-2.93	4.07#	0.84	-9.13*	1.35	7.71	-0.34	3.64	2.52	-3.52
1972-73 SE OF DP		[illegible]	2.29	2.37	2.68	1.46	1.36	0.51	3.31	4.11	4.64	3.51	1.61	1.25	5.90	4.48	2.47	4.60	5.70	3.35	3.10	2.31
AGE: Ad																						
1972-73 P-VALUE	57.54	58.25	49.87	58.35	62.42	61.15	54.19	58.54	43.98	68.87	53.02	60.46	57.24	61.67	47.29	54.52	53.94	68.70	51.86	56.58	53.50	57.97
1972-73 SE OF P-VAL	1.38	2.40	2.70	2.72	2.96	1.90	1.75	1.60	3.97	5.42	2.47	3.43	2.14	2.51	7.96	4.96	4.36	3.84	4.02	4.39	4.72	1.96
1972-73 DELTA-P		0.71	-7.67#	0.81	4.88	3.61#	-3.35#	1.00	-13.56#	11.33*	-4.52*	2.92	-0.30	4.13	-10.25	-3.02	-3.60	11.16#	-5.68	-0.96	-4.04	0.43
1972-73 SE OF DP		2.19	2.44	2.29	2.46	1.26	1.13	0.56	3.98	5.57	1.94	3.03	1.78	2.20	7.85	4.54	4.07	3.61	3.99	4.18	4.46	1.55
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.13	0.45	0.00	0.00	0.07	0.17	0.09	0.06	0.13	0.93	0.85	0.00	0.00	0.12	0.18	0.00	0.58	0.00	0.37	0.00	0.19	0.07
1972-73 SE OF P-VAL	0.05	0.19	0.00	0.00	0.07	0.10	0.06	0.04	0.13	0.52	0.45	0.00	0.00	0.08	0.18	0.00	0.41	0.00	0.36	0.00	0.17	0.07
1972-73 DELTA-P		0.32*	-0.13#	-0.13#	-0.06	0.04	-0.04	-0.07	0.00	0.80	0.72	-0.13#	-0.13#	-0.01	0.05	-0.13#	0.45	-0.13#	0.24	-0.13#	0.06	-0.06
1972-73 SE OF DP		0.14	0.05	0.05	0.07	0.07	0.07	0.04	0.12	0.49	0.42	0.05	0.05	0.06	0.17	0.05	0.40	0.05	0.33	0.05	0.16	0.07
AGE: 17																						
1972-73 P-VALUE	0.30	0.72	0.16	0.10	0.19	0.32	0.28	0.27	0.29	0.79	0.69	0.00	0.21	0.11	3.06	0.37	0.00	0.00	0.00	1.03	0.00	0.33
1972-73 SE OF P-VAL	0.14	0.47	0.15	0.10	0.18	0.24	0.14	0.15	0.29	0.82	0.70	0.00	0.15	0.11	2.41	0.37	0.00	0.00	0.00	0.74	0.00	0.21
1972-73 DELTA-P		0.42	-0.14	-0.20	-0.11	0.02	-0.02	-0.03	-0.01	0.49	0.39	-0.30*	-0.09	-0.19	2.76	0.07	-0.30*	-0.30*	-0.30*	0.73	-0.30*	0.03
1972-73 SE OF DP		0.35	0.18	0.15	0.19	0.14	0.13	0.06	0.29	0.79	0.67	0.14	0.16	0.14	2.30	0.36	0.14	0.14	0.14	0.63	0.14	0.18
AGE: Ad																						
1972-73 P-VALUE	0.32	0.00	0.84	0.00	0.55	0.48	0.17	0.36	0.00	0.35	0.37	0.65	0.23	0.20	0.00	1.00	0.00	0.53	0.61	0.00	0.92	0.05
1972-73 SE OF P-VAL	0.16	0.00	0.59	0.00	0.35	0.29	0.14	0.19	0.00	0.32	0.31	0.65	0.23	0.20	0.00	0.90	0.00	0.53	0.61	0.00	0.96	0.05
1972-73 DELTA-P		-0.32*	0.52	-0.32*	0.23	0.16	-0.15	0.04	-0.32*	0.03	0.05	0.33	-0.09	-0.12	-0.32*	0.68	-0.32*	0.21	0.29	-0.32*	0.60	-0.27
1972-73 SE OF DP		0.16	0.47	0.16	0.29	0.17	0.16	0.03	0.16	0.35	0.27	0.57	0.21	0.21	0.16	0.83	0.16	0.48	0.57	0.16	0.87	0.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 103003-234 UB166

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IC.

Part C.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CITY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.02	0.00	0.10	0.00	0.00	0.00	0.04	0.00	0.17	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.02	0.00	0.10	0.00	0.00	0.00	0.05	0.00	0.17	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.02	0.08	-0.02	-0.02	-0.02	0.02	-0.02	0.15	-0.02	-0.02	-0.02	0.04	-0.02	-0.02	-0.02	0.29	-0.02	-0.02	-0.02	-0.02	-0.02
1972-73 SE OF DP		0.02	0.08	0.02	0.02	0.02	0.02	0.02	0.15	0.02	0.02	0.02	0.04	0.02	0.02	0.02	0.30	0.02	0.02	0.02	0.02	0.02
AGE: 17																						
1972-73 P-VALUE	0.27	0.44	0.29	0.26	0.09	0.03	0.50	0.27	0.38	0.00	0.00	0.41	0.42	0.20	0.00	0.54	0.22	0.00	0.00	0.78	0.00	0.26
1972-73 SE OF P-VAL	0.15	0.45	0.22	0.26	0.09	0.04	0.28	0.17	0.38	0.00	0.00	0.44	0.37	0.16	0.00	0.54	0.23	0.00	0.00	0.76	0.00	0.22
1972-73 DELTA-P		0.17	0.02	-0.01	-0.18	-0.24	0.23	0.00	0.11	-0.27	-0.27	0.16	0.15	-0.07	-0.27	0.27	-0.05	-0.27	-0.27	0.51	-0.27	-0.01
1972-73 SE OF DP		0.34	0.23	0.23	0.16	0.15	0.14	0.05	0.37	0.15	0.15	0.43	0.27	0.15	0.15	0.51	0.25	0.15	0.15	0.65	0.15	0.19
AGE: Ad																						
1972-73 P-VALUE	0.17	0.10	0.00	0.53	0.00	0.18	0.16	0.20	0.00	0.00	0.09	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.23
1972-73 SE OF P-VAL	0.11	0.10	0.00	0.36	0.00	0.19	0.12	0.13	0.00	0.00	0.10	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.23
1972-73 DELTA-P		-0.07	-0.17	0.36	-0.17	0.01	-0.01	0.03	-0.17	-0.17	-0.08	-0.17	-0.17	0.40	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	0.58	0.06
1972-73 SE OF DP		0.13	0.11	0.26	0.11	0.12	0.11	0.02	0.11	0.11	0.13	0.11	0.11	0.30	0.11	0.11	0.11	0.11	0.11	0.11	0.51	0.15
RESPONSE: 04* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	58.01	60.27	50.35	57.01	63.94	60.93	55.06	59.11	55.46	50.08	49.76	54.20	56.75	64.53	45.89	62.13	54.81	63.91	55.52	67.29	51.61	54.35
1972-73 SE OF P-VAL	1.36	2.56	3.16	3.04	2.07	1.78	1.82	1.56	2.61	3.56	4.13	4.06	2.59	1.64	3.92	2.43	4.78	3.30	4.33	2.45	2.73	2.88
1972-73 DELTA-P		2.26	-7.66#	-1.00	5.93#	2.92*	-2.95*	1.10*	-2.55	-7.93*	-8.25*	-3.81	-1.26	6.52#	-12.12#	4.12	-3.20	5.90	-2.49	9.28#	-6.40*	-3.66
1972-73 SE OF DP		2.29	2.76	2.39	2.03	1.19	1.19	0.52	2.43	3.61	3.92	3.92	1.87	1.49	3.70	2.52	4.59	3.32	3.96	2.52	2.58	2.14
AGE: 17																						
1972-73 P-VALUE	64.67	65.56	56.87	66.99	67.59	67.20	62.26	65.64	60.53	58.51	53.57	58.96	62.49	69.29	60.10	56.48	62.99	70.87	68.48	66.96	66.71	62.09
1972-73 SE OF P-VAL	1.71	3.10	2.44	3.19	4.45	2.33	2.20	1.85	3.15	5.51	6.66	3.43	2.38	2.07	4.91	5.90	3.10	4.16	5.54	3.59	4.24	3.26
1972-73 DELTA-P		0.89	-7.80#	2.32	2.92	2.53	-2.41	0.97	-4.14	-6.16	-11.10	-5.71	-2.18	4.62#	-4.57	-8.19	-1.68	5.20	3.81	2.29	2.04	-2.58
1972-73 SE OF DP		2.71	2.54	2.71	3.64	1.53	1.43	0.51	3.28	4.90	5.96	3.11	1.87	1.21	4.84	5.69	3.10	4.12	5.31	3.42	3.70	2.39
AGE: Ad																						
1972-73 P-VALUE	70.88	70.00	62.55	75.40	73.86	73.48	68.47	73.15	57.83	61.01	65.12	70.56	70.77	77.40	66.68	62.35	64.04	83.10	69.62	68.93	65.20	72.70
1972-73 SE OF P-VAL	1.43	2.58	3.32	2.50	2.78	1.80	2.06	1.55	3.74	5.83	2.66	3.48	1.85	2.48	5.98	5.46	4.39	2.98	4.46	5.05	5.90	1.77
1972-73 DELTA-P		-0.88	-8.33#	4.52*	2.98	2.60	-2.41	2.27#	-13.05#	-9.87	-5.76#	-0.32	-0.11	6.52#	-4.20	-8.53	-6.84	12.22#	-1.26	-1.95	-5.68	1.82
1972-73 SE OF DP		2.32	2.83	2.18	2.40	1.35	1.25	0.59	3.74	5.62	2.19	3.02	1.68	1.87	6.08	5.11	4.43	3.08	4.36	4.74	6.24	1.62
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	0.13	0.45	0.00	0.00	0.07	0.17	0.09	0.06	0.13	0.93	0.85	0.00	0.00	0.12	0.18	0.00	0.58	0.00	0.37	0.00	0.19	0.07
1972-73 SE OF P-VAL	0.05	0.19	0.00	0.00	0.07	0.10	0.06	0.04	0.13	0.52	0.45	0.00	0.00	0.08	0.18	0.00	0.41	0.00	0.36	0.00	0.17	0.07
1972-73 DELTA-P		0.32*	-0.13#	-0.13#	-0.06	0.04	-0.04	-0.07	0.00	0.80	0.72	-0.13#	-0.13#	-0.01	0.05	-0.13#	0.45	-0.13#	0.24	-0.13#	0.06	-0.06
1972-73 SE OF DP		0.14	0.05	0.05	0.07	0.07	0.07	0.04	0.12	0.49	0.42	0.05	0.05	0.06	0.17	0.05	0.40	0.05	0.33	0.05	0.16	0.07
AGE: 17																						
1972-73 P-VALUE	0.30	0.72	0.16	0.10	0.19	0.32	0.28	0.27	0.29	0.79	0.69	0.00	0.21	0.11	3.06	0.37	0.00	0.00	0.00	1.03	0.00	0.33
1972-73 SE OF P-VAL	0.14	0.47	0.15	0.10	0.18	0.24	0.14	0.15	0.29	0.82	0.70	0.00	0.15	0.11	2.41	0.37	0.00	0.00	0.00	0.74	0.00	0.21
1972-73 DELTA-P		0.42	-0.14	-0.20	-0.11	0.02	-0.02	-0.03	-0.01	0.49	0.39	-0.30*	-0.09	-0.19	2.76	0.07	-0.30*	-0.30*	-0.30*	0.73	-0.30*	0.03
1972-73 SE OF DP		0.35	0.18	0.15	0.19	0.14	0.13	0.06	0.29	0.79	0.67	0.14	0.16	0.14	2.30	0.36	0.14	0.14	0.14	0.63	0.14	0.18
AGE: Ad																						
1972-73 P-VALUE	0.51	0.38	1.01	0.20	0.55	0.72	0.31	0.58	0.00	0.35	0.52	1.00	0.38	0.20	2.15	1.01	0.00	0.54	0.62	0.00	1.13	0.48
1972-73 SE OF P-VAL	0.18	0.24	0.62	0.20	0.35	0.32	0.18	0.21	0.00	0.32	0.34	0.74	0.25	0.20	2.10	0.90	0.00	0.53	0.61	0.00	1.00	0.23
1972-73 DELTA-P		-0.13	0.50	-0.31	0.04	0.21	-0.20	0.07	-0.51#	-0.16	0.01	0.49	-0.13	-0.31	1.64	0.50	-0.51#	0.03	0.11	-0.51#	0.62	-0.03
1972-73 SE OF DP		0.25	0.50	0.22	0.30	0.19	0.18	0.04	0.18	0.36	0.30	0.64	0.24	0.23	2.06	0.84	0.18	0.49	0.58	0.18	0.91	0.21

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 103003-234 UB166

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IC.

Part D.

RESPONSE: 00 AGE: 13 TEXT: No Response.

Response did not occur at this age.

AGE: 17

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.27	0.44	0.29	0.26	0.09	0.03	0.50	0.27	0.38	0.00	0.00	0.43	0.42	0.20	0.00	0.54	0.22	0.00	0.00	0.78	0.00	0.26
1972-73 SE OF P-VAL	0.15	0.45	0.22	0.26	0.09	0.04	0.28	0.17	0.38	0.00	0.00	0.44	0.37	0.16	0.00	0.54	0.23	0.00	0.00	0.76	0.00	0.22
1972-73 DELTA-P		0.17	0.02	-0.01	-0.18	-0.24	0.23	0.00	0.11	-0.27	-0.27	0.16	0.15	-0.07	-0.27	0.27	-0.05	-0.27	-0.27	0.51	-0.27	-0.01
1972-73 SE OF DP		0.34	0.23	0.23	0.16	0.15	0.14	0.05	0.37	0.15	0.15	0.43	0.27	0.15	0.15	0.51	0.25	0.15	0.15	0.65	0.15	0.19

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.08	0.10	0.00	0.20	0.00	0.00	0.16	0.10	0.00	0.00	0.10	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00
1972-73 SE OF P-VAL	0.06	0.10	0.00	0.20	0.00	0.00	0.12	0.07	0.00	0.00	0.10	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00
1972-73 DELTA-P		0.02	-0.08	0.12	-0.08	-0.08	0.08	0.02*	-0.08	-0.08	0.02	-0.08	-0.08	0.14	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	0.67	-0.08
1972-73 SE OF DP		0.10	0.06	0.15	0.06	0.06	0.06	0.01	0.06	0.06	0.09	0.06	0.06	0.16	0.06	0.06	0.06	0.06	0.06	0.06	0.50	0.06

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	37.49	36.60	33.80	34.59	45.30	38.62	36.35	37.84	34.64	39.02	35.19	37.63	36.01	40.76	31.27	33.02	46.98	41.96	35.55	40.37	33.17	36.31
1972-73 SE OF P-VAL	1.22	1.84	2.63	2.46	2.71	1.30	1.71	1.33	2.76	5.97	4.02	3.65	2.22	1.84	3.55	2.81	4.39	3.49	3.39	2.52	2.27	2.33
1972-73 DELTA-P		-0.89	-3.69	-2.90	7.81#	[illegible]	-1.14	0.35	-2.85	1.53	-2.30	0.14	-1.48	3.27*	-6.22	-4.47	9.49*	4.47	-1.94	2.88	-4.32	-1.18
1972-73 SE OF DP		1.79	2.32	2.00	2.31	1.32	1.33	0.53	2.73	5.62	3.92	3.50	1.78	1.37	3.34	2.76	3.98	3.31	3.20	2.37	2.28	1.77

AGE: 17

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	47.91	50.17	43.01	48.40	49.00	51.19	48.79	48.87	44.67	40.07	38.13	40.07	45.56	52.30	49.68	37.81	50.57	55.60	47.15	51.40	50.10	44.55
1972-73 SE OF P-VAL	1.48	2.90	2.29	2.84	3.35	1.98	2.06	1.55	3.50	4.35	4.87	3.48	1.83	2.06	7.11	2.93	2.45	4.71	5.88	3.78	3.34	2.69
1972-73 DELTA-P		2.26	-4.90*	0.49	1.09	3.28*	-3.12*	0.96	-3.24	-7.84*	-9.78*	-7.84*	-2.35	4.39#	1.77	-10.10#	2.66	7.69	-0.76	3.49	2.19	-3.36
1972-73 SE OF DP		2.47	2.25	2.38	2.83	1.45	1.34	0.49	3.31	3.90	4.25	3.37	1.64	1.24	6.85	3.10	2.45	4.35	5.56	3.46	2.99	2.24

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	54.73	54.84	46.18	56.16	60.27	58.69	51.06	55.69	44.15	60.64	49.07	57.79	54.85	59.51	43.81	51.68	52.99	67.84	48.90	49.55	52.32	54.88
1972-73 SE OF P-VAL	1.50	2.74	3.39	2.66	3.15	2.03	1.87	1.66	3.89	6.16	2.64	3.47	2.45	2.39	7.55	4.81	4.56	3.96	4.62	5.30	4.95	2.09
1972-73 DELTA-P		0.11	-8.55#	1.43	5.54*	3.96#	-3.67#	0.96	-10.58#	5.91	-5.66#	3.06	0.12	4.78*	-10.92	-3.05	-1.74	13.11#	-5.83	-5.18	-2.41	0.11
1972-73 SE OF DP		2.45	2.96	2.32	2.64	1.32	1.17	0.55	3.90	5.98	2.13	2.89	1.91	[illegible]	7.49	4.47	4.12	3.84	4.54	4.84	4.71	1.71

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.13	0.45	0.00	0.00	0.07	0.17	0.09	0.06	0.13	0.93	0.85	0.00	0.00	0.12	0.18	0.00	0.58	0.00	0.37	0.00	0.19	0.07
1972-73 SE OF P-VAL	0.05	0.19	0.00	0.00	0.07	0.10	0.06	0.04	0.13	0.52	0.45	0.00	0.00	0.08	0.18	0.00	0.41	0.00	0.36	0.00	0.17	0.07
1972-73 DELTA-P		0.32*	-0.13#	-0.13#	-0.06	0.04	-0.04	-0.07	0.00	0.80	0.72	-0.13#	-0.13#	-0.01	0.05	-0.13#	0.45	-0.13#	0.24	-0.13#	0.06	-0.06
1972-73 SE OF DP		0.14	0.05	0.05	0.07	0.07	0.07	0.04	0.12	0.49	0.42	0.05	0.05	0.06	0.17	0.05	0.40	0.05	0.33	0.05	0.16	0.07

AGE: 17

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.30	0.72	0.16	0.10	0.19	0.32	0.28	0.27	0.29	0.79	0.69	0.00	0.21	0.11	3.06	0.37	0.00	0.00	0.00	1.03	0.00	0.33
1972-73 SE OF P-VAL	0.14	0.47	0.15	0.10	0.18	0.24	0.14	0.15	0.29	0.82	0.70	0.00	0.15	0.11	2.41	0.37	0.00	0.00	0.00	0.74	0.00	0.21
1972-73 DELTA-P		0.42	-0.14	-0.20	-0.11	0.02	-0.02	-0.03	-0.01	0.49	0.39	-0.30*	-0.09	-0.19	2.76	0.07	-0.30*	-0.30*	-0.30*	0.73	-0.30*	0.03
1972-73 SE OF DP		0.35	0.18	0.15	0.19	0.14	0.13	0.06	0.29	0.79	0.67	0.14	0.16	0.14	2.30	0.36	0.14	0.14	0.14	0.63	0.14	0.18

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.32	0.00	0.84	0.00	0.55	0.48	0.17	0.36	0.00	0.35	0.37	0.65	0.23	0.20	0.00	1.00	0.00	0.53	0.61	0.00	0.92	0.05
1972-73 SE OF P-VAL	0.16	0.00	0.59	0.00	0.35	0.29	0.14	0.19	0.00	0.32	0.31	0.65	0.23	0.20	0.00	0.90	0.00	0.53	0.61	0.00	0.96	0.05
1972-73 DELTA-P		-0.32*	0.52	-0.32*	0.23	0.16	-0.15	0.04	-0.32*	0.03	0.05	0.33	-0.09	-0.12	-0.32*	0.68	-0.32*	0.21	0.29	-0.32*	0.60	-0.27
1972-73 SE OF DP		0.16	0.47	0.16	0.29	0.17	0.16	0.03	0.16	0.35	0.27	0.57	0.21	0.21	0.16	0.83	0.16	0.48	0.57	0.16	0.87	0.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 103004-3

72-73 Report #: UP167

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: C. Know conceptual schemes.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 17IS
72-73 Package-Exercise: 09-27

72-73 National P-val:
UP167 35.72

Timing: (in seconds)
Stimulus: 25
Response: 15
I don't know: 5
Pause: 6
UP167 Exercise total: 51

EXERCISE: 103004-3 UP167

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	1.23	1.44	0.96	1.41	1.02	1.54	0.95	0.67	3.60	3.89	1.16	1.99	1.19	0.98	2.60	0.00	0.70	0.31	2.18	1.71	3.05	0.94
1972-73 SE OF P-VAL	0.38	0.52	0.63	1.12	0.35	0.58	0.32	0.21	2.51	1.81	0.82	1.05	0.69	0.36	1.62	0.00	0.70	0.28	1.13	0.69	2.56	0.46
1972-73 DELTA-P		0.21	-0.27	0.18	-0.21	0.31	-0.28	-0.56	2.37	2.66	-0.07	0.76	-0.04	-0.25	1.37	-1.23#	-0.53	-0.92*	0.95	0.48	1.82	-0.29
1972-73 SE OF DP		0.53	0.62	0.82	0.46	0.27	0.24	0.35	2.21	1.73	0.84	0.91	0.43	0.35	1.39	0.38	0.73	0.45	1.09	0.69	2.26	0.47
RESPONSE: 04* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	35.72	45.24	29.60	37.73	28.23	37.87	33.75	38.38	23.86	24.39	18.28	28.48	32.33	42.73	27.07	30.33	24.35	37.58	40.73	41.58	35.71	35.52
1972-73 SE OF P-VAL	1.41	2.77	2.51	2.81	2.62	1.93	1.56	1.58	3.09	3.55	2.80	3.66	2.81	1.97	5.69	4.06	3.72	3.25	4.56	4.78	3.29	2.70
1972-73 DELTA-P		9.52#	-6.12#	2.01	-7.49#	2.15	-1.97	2.66#	-11.86#	-11.33#	-17.44#	-7.24*	-3.39	7.01#	-8.65	-5.39	-11.37#	1.86	5.01	5.86	-0.01	-0.20
1972-73 SE OF DP		2.40	2.30	2.29	2.20	1.11	1.01	0.68	3.14	3.88	2.62	3.29	1.82	1.26	5.79	4.10	3.56	2.92	4.23	4.37	3.34	2.29
RESPONSE: 09 AGE: 17	TEXT: I Don't Know.																					
1972-73 P-VALUE	14.39	13.21	13.47	10.94	20.69	11.51	17.02	13.76	13.71	24.82	19.32	20.26	15.38	11.47	17.89	17.20	14.76	15.33	16.15	14.48	14.57	12.58
1972-73 SE OF P-VAL	0.96	2.04	2.35	1.33	2.11	1.11	1.25	1.14	2.38	4.65	4.20	3.09	1.63	1.29	4.47	2.71	2.87	3.05	3.30	2.47	3.21	1.46
1972-73 DELTA-P		-1.18	-0.92	-3.45#	6.30#	-2.88#	2.63#	-0.63	-0.68	10.43*	4.93	5.87*	0.99	-2.92#	3.50	2.81	0.37	0.94	1.76	0.09	0.18	-1.81
1972-73 SE OF DP		1.72	2.04	1.28	1.82	0.74	0.67	0.55	2.34	4.60	3.97	2.70	1.46	0.97	4.40	2.66	2.82	2.82	3.18	2.25	2.91	1.19

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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NAEP #:         104013-123

72-73 Report #: UP168


72-73 Obj:      I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj:   D. Know inquiry skills.

Science Type:       Physical science


Exercise Type:          Multiple choice
Scoring Type:           Machine
Administration Mode:    Group

Age:                                __9__    __13__    _17IS
72-73 Package-Exercise:             04-24    04-03    11-05

72-73 National P-val:
          UP168                     18.83    54.05    84.76

Timing: (in seconds)
                       Stimulus:    13        14        12
                       Response:    18        16        18
                    I don't know:    5         5         5
                          Pause:     6         6         6
   UP168          Exercise total:   42        41        41
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EXERCISE: 104013-123 UP168

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective ID.

TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9																						
1972-73 P-VALUE	0.13	0.19	0.36	0.00	0.00	0.05	0.21	0.07	0.50	0.00	0.00	0.00	0.00	0.00	0.35	0.54	0.37	0.00	0.00	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.06	0.15	0.22	0.00	0.00	0.05	0.11	0.06	0.30	0.00	0.00	0.00	0.00	0.00	0.16	0.39	0.38	0.00	0.00	0.00	0.00	0.14
1972-73 DELTA-P		0.06	0.23	-0.13*	-0.13*	-0.08	0.08	-0.06	0.37	-0.13*	-0.13*	-0.13*	-0.13*	-0.13*	0.22*	0.41	0.24	-0.13*	-0.13*	-0.13*	-0.13*	0.05
1972-73 SE OF DP		0.13	0.17	0.06	0.06	0.06	0.06	0.04	0.26	0.06	0.06	0.06	0.06	0.06	0.10	0.37	0.36	0.06	0.06	0.06	0.06	0.10
AGE: 13																						
1972-73 P-VALUE	0.48	0.00	1.60	0.08	0.46	0.54	0.42	0.42	1.24	0.00	0.00	1.24	0.67	0.24	0.48	2.62	0.36	0.00	0.00	0.50	0.00	0.15
1972-73 SE OF P-VAL	0.29	0.00	1.25	0.08	0.42	0.37	0.22	0.34	0.92	0.00	0.00	1.02	0.40	0.24	0.31	2.16	0.38	0.00	0.00	0.48	0.00	0.10
1972-73 DELTA-P		-0.48	1.12	-0.40	-0.02	0.06	-0.06	-0.06	0.76	-0.48	-0.48	0.76	0.19	-0.24*	0.00	2.14	-0.12	-0.48	-0.48	0.02	-0.48	-0.33
1972-73 SE OF DP		0.29	0.99	0.30	0.41	0.10	0.10	0.13	0.84	0.29	0.29	0.76	0.17	0.12	0.34	1.92	0.38	0.29	0.29	0.46	0.29	0.30
AGE: 17																						
1972-73 P-VALUE	0.09	0.00	0.00	0.25	0.05	0.00	0.19	0.09	0.00	0.27	0.00	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.00	0.43	0.00	0.04
1972-73 SE OF P-VAL	0.08	0.00	0.00	0.25	0.05	0.00	0.16	0.09	0.00	0.28	0.00	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.00	0.41	0.00	0.04
1972-73 DELTA-P		-0.09	-0.09	0.16	-0.04	-0.09	0.10	0.00	-0.09	0.18	-0.09	-0.09	-0.09	0.08	0.08	-0.09	-0.09	-0.09	-0.09	0.34	-0.09	-0.05
1972-73 SE OF DP		0.08	0.08	0.18	0.09	0.08	0.08	0.02	0.08	0.28	0.08	0.08	0.08	0.09	0.18	0.08	0.08	0.08	0.08	0.34	0.08	0.08

TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 9																						
1972-73 P-VALUE	18.83	19.95	21.64	19.26	14.31	21.17	16.61	20.86	11.61	9.38	11.31	20.34	18.17	23.65	15.97	14.37	11.46	20.36	16.16	18.81	24.64	19.19
1972-73 SE OF P-VAL	1.37	1.99	3.05	3.11	2.36	1.59	1.85	1.64	2.18	1.82	2.64	4.62	2.28	1.87	1.81	3.21	2.41	3.83	3.63	3.97	3.96	2.20
1972-73 DELTA-P		1.12	2.81	0.43	-4.52*	2.34*	-2.22*	2.03#	-7.22#	-9.45#	-7.52#	1.51	-0.66	4.82#	-2.86#	-4.46	-7.37#	1.53	-2.67	-0.02	5.81	0.36
1972-73 SE OF DP		1.98	2.60	2.42	2.21	1.08	1.02	0.57	2.29	2.23	2.75	4.15	1.90	1.23	1.06	3.01	2.71	3.53	3.47	3.64	3.54	1.67
AGE: 13																						
1972-73 P-VALUE	54.05	59.74	56.07	57.02	43.40	57.21	50.68	60.26	32.36	29.51	44.87	45.89	53.24	66.59	35.42	52.52	28.12	58.14	51.93	51.29	56.09	61.92
1972-73 SE OF P-VAL	1.73	3.16	3.89	2.18	3.92	2.03	2.30	1.72	2.92	2.95	3.70	3.75	2.63	2.04	3.38	5.93	5.42	5.15	4.25	3.05	4.48	2.37
1972-73 DELTA-P		5.69*	2.02	2.97	-10.65#	3.16#	-3.37#	6.21#	-21.69#	-24.54#	-9.18#	-8.16#	-0.81	12.54#	-18.63#	-1.53	-25.93#	4.09	-2.12	-2.76	2.04	7.87#
1972-73 SE OF DP		2.78	3.42	2.26	3.15	1.26	1.33	0.93	3.03	3.04	3.47	3.18	1.75	1.54	3.30	5.24	5.22	5.12	4.21	3.01	4.06	1.97
AGE: 17																						
1972-73 P-VALUE	84.76	88.01	83.48	85.81	81.37	87.44	81.96	89.68	57.88	65.99	72.38	78.49	83.11	91.73	66.94	84.97	63.36	89.95	80.52	86.27	81.14	90.65
1972-73 SE OF P-VAL	1.10	1.35	1.78	1.44	3.53	1.44	1.39	0.78	4.44	5.20	3.91	3.21	1.65	1.02	4.34	2.67	6.36	1.97	2.33	2.49	2.78	1.08
1972-73 DELTA-P		3.25*	-1.28	1.05	-3.39	2.68#	-2.80#	4.92#	-26.88#	-18.77#	-12.38#	-6.27*	-1.65	6.97#	-17.82#	0.21	-21.40#	5.19#	-4.24	1.51	-3.62	5.89#
1972-73 SE OF DP		1.49	1.78	1.41	2.72	0.89	0.92	0.88	3.92	5.03	3.91	2.63	1.35	0.81	4.45	2.66	5.94	1.98	2.63	2.48	2.72	1.15

TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 09 AGE: 9																						
1972-73 P-VALUE	20.66	17.90	17.89	21.45	25.29	14.92	26.12	21.59	15.65	20.29	8.05	18.87	18.77	19.91	24.22	24.31	15.65	27.39	18.45	23.78	18.64	18.74
1972-73 SE OF P-VAL	0.99	2.06	1.67	1.89	2.36	1.32	1.30	1.09	1.85	3.36	2.28	3.55	2.20	1.76	1.59	3.23	2.39	2.70	2.65	2.88	2.40	1.73
1972-73 DELTA-P		-2.76	-2.77	0.79	4.63*	-5.74#	5.46#	0.93*	-5.01#	-0.37	-12.61#	-1.79	-1.89	-0.75	3.56#	3.65	-5.01	6.73#	-2.21	3.12	-2.02	-1.92
1972-73 SE OF DP		1.75	1.60	1.57	2.04	0.89	0.84	0.40	1.70	3.15	2.46	3.49	1.80	1.52	1.17	3.11	2.54	2.43	2.53	2.67	2.22	1.43
AGE: 13																						
1972-73 P-VALUE	14.48	12.27	9.15	16.63	18.78	11.54	17.62	14.01	14.41	18.60	10.49	14.88	13.87	12.09	23.11	9.98	18.73	12.57	22.77	21.45	10.28	11.01
1972-73 SE OF P-VAL	0.83	1.62	1.53	1.33	1.84	1.00	1.36	0.91	2.22	4.31	2.17	2.08	1.79	1.29	2.72	2.78	3.11	2.21	3.16	2.11	1.81	1.37
1972-73 DELTA-P		-2.21	-5.33#	2.15	4.30#	-2.94#	3.14#	-0.47	-0.07	4.12	-3.99	0.40	-0.61	-2.39*	8.63#	-4.50	4.25	-1.91	8.29#	6.97#	-4.20#	-3.47#
1972-73 SE OF DP		1.39	1.44	1.22	1.50	0.82	0.90	0.56	2.11	4.08	2.19	2.07	1.43	1.14	2.55	2.59	3.12	2.30	2.97	2.04	1.68	1.19
AGE: 17																						
1972-73 P-VALUE	2.68	1.71	2.71	2.79	3.44	2.13	3.26	2.38	4.56	3.17	4.06	3.13	3.56	1.28	6.12	2.20	4.57	4.06	1.33	2.68	4.51	1.60
1972-73 SE OF P-VAL	0.35	0.54	0.69	0.75	0.69	0.44	0.60	0.39	1.16	1.77	1.51	1.15	0.88	0.35	2.00	0.92	1.54	1.22	0.94	0.98	1.14	0.43
1972-73 DELTA-P		-0.97	0.03	0.11	0.76	-0.55	0.58	-0.30	1.88	0.49	1.38	0.45	0.88	-1.40#	3.44	-0.48	1.89	1.38	-1.35	0.00	1.83	-1.08#
1972-73 SE OF DP		0.51	0.65	0.58	0.60	0.38	0.40	0.19	1.11	1.67	1.44	1.10	0.67	0.40	1.90	0.91	1.41	1.17	0.93	0.89	1.02	0.41

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 104014-12

72-73 Report #: UB169

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: D. Know inquiry skills.

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	02-23	05-11
72-73 National P-val:		
UB169	65.23	95.01
Timing: (in seconds)		
Stimulus:	23	22
Response:	21	21
I don't know:	5	5
Pause:	6	6
UB169 Exercise total:	55	54

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                              NATION !              REGION              !       SEX        !          RACE            !           PARENTAL EDUCATION             !               SIZE-AND-TYPE OF COMMUNITY
                                     !   NORTH   SOUTH                  !                  !                   OTHER  !            SOME    GRAD    POST          ! EXTREME     LOW    HIGH    MAIN   URBAN  MEDIUM   SMALL
                            -------- !    EAST    EAST CENTRAL    WEST  !    MALE  FEMALE  !   WHITE   BLACK    RACE  !   NO HS      HS      HS      HS UNKNOWN  !   RURAL   METRO   METRO BIG CTY  FRINGE    CITY  PLACES
EXERCISE: 104014-12    UB169
This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective ID.

RESPONSE:  00    AGE:  9      TEXT:  No Response.
    1972-73 P-VALUE             0.22      0.18    0.22    0.33    0.14      0.11    0.33      0.18    0.53    0.00      0.00    0.85    0.17    0.00    0.36      0.00    0.37    0.00    0.00    0.34    0.56    0.20
    1972-73 SE OF P-VAL         0.10      0.18    0.17    0.24    0.14      0.08    0.17      0.10    0.39    0.00      0.00    0.82    0.18    0.00    0.19      0.00    0.35    0.00    0.00    0.34    0.40    0.16
    1972-73 DELTA-P                      -0.04    0.00    0.11   -0.08     -0.11    0.11     -0.04    0.31  -0.22*    -0.22*    0.63   -0.05  -0.22*    0.14    -0.22*    0.15  -0.22*  -0.22*    0.12    0.34   -0.02
    1972-73 SE OF DP                      0.16    0.16    0.19    0.14      0.09    0.09      0.06    0.34    0.10      0.10    0.79    0.16    0.10    0.13      0.10    0.32    0.10    0.10    0.30    0.37    0.13

                 AGE: 13
    1972-73 P-VALUE             0.12      0.26    0.29    0.00    0.00      0.19    0.05      0.08    0.47    0.00      0.52    0.87    0.00    0.00    0.12      0.30    0.33    0.14    0.00    0.00    0.00    0.16
    1972-73 SE OF P-VAL         0.06      0.15    0.21    0.00    0.00      0.10    0.05      0.05    0.35    0.00      0.52    0.53    0.00    0.00    0.12      0.31    0.33    0.13    0.00    0.00    0.00    0.12
    1972-73 DELTA-P                       0.14    0.17   -0.12   -0.12      0.07   -0.07     -0.04    0.35   -0.12      0.40    0.75   -0.12   -0.12    0.00      0.18    0.21    0.02   -0.12   -0.12   -0.12    0.04
    1972-73 SE OF DP                      0.12    0.17    0.06    0.06      0.06    0.06      0.04    0.31    0.06      0.49    0.48    0.06    0.06    0.12      0.28    0.31    0.13    0.06    0.06    0.06    0.10
RESPONSE:  03*   AGE:  9      TEXT:  All Acceptable Responses.
    1972-73 P-VALUE            65.23     61.05   65.61   65.77   69.24     70.29   60.32     70.04   43.72   53.34     62.15   62.97   65.35   72.60   60.70     62.88   46.28   66.76   61.99   66.93   72.08   68.95
    1972-73 SE OF P-VAL         1.42      2.67    1.96    3.54    2.84      1.69    1.87      1.30    3.47    4.62      4.46    4.47    2.52    2.47    2.13      3.13    4.17    5.14    9.06    3.26    2.35    2.50
    1972-73 DELTA-P                      -4.18    0.38    0.54    4.01     5.06#  -4.91#     4.81# -21.51# -11.89#    -2.88   -2.26    0.12    7.37#  -6.53#    -2.35 -18.95#    1.53   -3.24    1.70    6.85#    3.72
    1972-73 SE OF DP                      2.32    2.00    2.82    2.54      1.13    1.07      0.86    3.06    4.31      4.52    4.42    2.17    1.82    1.59      3.16    3.74    4.66    8.74    3.29    2.71    2.03

                 AGE: 13
    1972-73 P-VALUE            95.01     94.13   91.64   96.24   97.24     96.87   93.15     96.92   83.24   92.84     88.44   88.10   96.20   97.53   91.79     93.97   85.46   97.77   95.78   96.72   96.90   94.69
    1972-73 SE OF P-VAL         0.55      0.92    1.57    0.99    0.74      0.55    0.81      0.39    2.39    2.10      2.59    2.66    0.64    0.51    1.56      2.04    2.72    1.22    1.55    1.04    1.05    0.97
    1972-73 DELTA-P                      -0.88  -3.37#    1.23    2.23#     1.86#  -1.86#     1.91# -11.77#   -2.17    -6.57#  -6.91#    1.19*    2.52#  -3.22*    -1.04  -9.55#    2.76*    0.77    1.71    1.89   -0.32
    1972-73 SE OF DP                      0.87    1.31    0.82    0.73      0.41    0.43      0.39    2.12    2.02      2.35    2.45    0.56    0.54    1.41      1.90    2.60    1.20    1.49    1.05    1.04    0.81
RESPONSE:  09    AGE:  9      TEXT:  I Don't Know.
    1972-73 P-VALUE             0.90      1.39    1.19    0.32    0.67      0.42    1.36      0.86    1.09    1.05      0.93    0.41    0.51    0.21    1.64      1.29    1.21    0.20    0.63    0.24    0.83    1.32
    1972-73 SE OF P-VAL         0.21      0.64    0.31    0.23    0.27      0.17    0.41      0.24    0.44    0.76      0.94    0.41    0.30    0.20    0.40      0.66    0.70    0.19    0.57    0.24    0.41    0.56
    1972-73 DELTA-P                       0.49    0.29  -0.58*   -0.23    -0.48*    0.46     -0.04    0.18    0.15      0.03   -0.49   -0.39  -0.69*    0.74#     0.39    0.31  -0.70#   -0.27  -0.66*   -0.07    0.42
    1972-73 SE OF DP                      0.87    0.31    0.26    0.29      0.24    0.24      0.10    0.43    0.73      0.81    0.44    0.24    0.28    0.26      0.66    0.67    0.26    0.58    0.29    0.42    0.41

                 AGE: 13
    1972-73 P-VALUE             0.19      0.00    0.87    0.00    0.00      0.27    0.11      0.09    0.94    0.00      2.02    0.34    0.06    0.00    0.18      0.00    0.25    0.00    0.19    0.00    0.00    0.50
    1972-73 SE OF P-VAL         0.12      0.00    0.54    0.00    0.00      0.23    0.08      0.05    0.93    0.00      1.92    0.34    0.06    0.00    0.17      0.00    0.24    0.00    0.19    0.00    0.00    0.41
    1972-73 DELTA-P                      -0.19    0.68   -0.19   -0.19      0.08   -0.08     -0.10    0.75   -0.19      1.83    0.15   -0.13   -0.19   -0.01     -0.19    0.06   -0.19    0.00   -0.19   -0.19    0.31
    1972-73 SE OF DP                      0.12    0.42    0.12    0.12      0.12    0.12      0.11    0.82    0.12      1.80    0.34    0.13    0.12    0.19      0.12    0.26    0.12    0.20    0.12    0.12    0.29
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 105003-234

72-73 Report #: UP170

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: E. Know the scientific enterprise.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	03-17	08-17	06-26
72-73 National P-val:			
UP170	35.76	40.43	39.82
Timing: (in seconds)			
Stimulus:	29	27	31
Response:	31	32	*
I don't know:	5	5	*
Pause:	6	5	*
UP170 Exercise total:	71	69	*

*Time not limited by paced tape.

EXERCISE: 105003-234 UP170

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IX.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.96	0.32	0.26	2.38	0.64	1.30	0.57	1.09	0.58	0.00	0.00	1.57	0.60	1.01	1.80	7.61	1.57	0.00	0.76	0.53	0.39	0.00
1972-73 SE OF P-VAL	0.65	0.24	0.22	2.26	0.47	0.88	0.45	0.80	0.43	0.00	0.00	1.56	0.40	0.98	0.82	7.30	0.84	0.00	0.49	0.51	0.41	0.00
1972-73 DELTA-P		-0.64	-0.70	1.42	-0.32	0.42	-0.39	0.13	-0.38	-0.96	-0.96	0.61	-0.36	0.05	0.84	6.65	0.61	-0.96	-0.20	-0.43	-0.57	-0.96
1972-73 SE OF DP		0.67	0.67	1.64	0.73	0.26	0.28	0.16	0.75	0.65	0.65	0.95	0.52	0.37	0.66	6.67	0.97	0.65	0.78	0.75	0.74	0.65
AGE: 17																						
1972-73 P-VALUE	0.94	0.38	0.19	0.20	3.10	0.94	0.98	0.83	0.13	4.68	1.19	0.96	0.99	0.68	2.16	0.00	0.16	0.52	0.00	6.70	0.00	0.41
1972-73 SE OF P-VAL	0.72	0.24	0.16	0.21	2.96	0.68	0.77	0.59	0.12	4.34	1.18	0.76	0.98	0.57	1.27	0.00	0.16	0.43	0.00	6.46	0.00	0.23
1972-73 DELTA-P		-0.60	-0.75	-0.74	2.16	0.00	0.00	-0.11	-0.01	3.78	0.25	0.02	0.05	-0.26	1.22	-0.94	-0.78	-0.42	-0.94	5.76	-0.94	-0.53
1972-73 SE OF DP		0.78	0.73	0.73	2.25	0.12	0.11	0.14	0.73	3.65	0.49	0.24	0.29	0.19	1.39	0.32	[illegible]	0.77	0.72	5.77	0.72	0.73
AGE: Ad																						
1972-73 P-VALUE	0.00	0.00	0.17	0.00	0.18	0.09	0.07	0.04	0.43	0.00	0.00	0.00	0.15	0.14	0.00	0.47	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 SE OF P-VAL	0.06	0.00	0.17	0.00	0.18	0.09	0.07	0.04	0.43	0.00	0.00	0.00	0.15	0.14	0.00	0.44	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 DELTA-P		-0.08	0.09	-0.08	0.10	0.01	-0.01	-0.04	0.35	-0.08	-0.08	-0.08	0.07	0.06	-0.08	0.39	-0.08	-0.08	-0.08	0.31	-0.08	-0.08
1972-73 SE OF DP		0.06	0.14	0.06	0.14	0.06	0.06	0.05	0.38	0.06	0.06	0.06	0.11	0.11	0.06	0.41	0.06	0.06	0.06	0.34	0.06	0.06
RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	35.76	39.38	34.40	35.60	33.68	38.91	32.87	36.23	33.72	33.84	33.67	32.19	35.50	39.51	27.82	34.56	31.08	40.07	41.55	35.24	37.22	33.50
1972-73 SE OF P-VAL	1.46	2.01	2.13	3.55	2.60	1.73	2.03	1.62	3.15	6.98	3.61	3.13	2.50	1.96	2.71	6.14	4.60	4.51	3.95	3.84	2.93	2.30
1972-73 DELTA-P		3.58	-1.36	-0.16	-2.08	3.15*	-2.09#	0.47	-2.04	-1.92	-2.09	-3.57	-0.26	3.75#	-7.94#	-1.20	-4.68	4.31	5.79	-0.52	1.46	-2.26
1972-73 SE OF DP		2.49	2.17	2.78	2.30	1.28	1.15	0.72	3.00	6.62	3.60	2.55	1.67	1.28	2.66	5.93	4.44	3.95	3.65	3.57	2.94	1.90
AGE: 17																						
1972-73 P-VALUE	40.43	38.44	44.86	38.83	40.49	47.68	33.78	41.39	36.35	34.14	35.89	39.51	37.07	44.53	35.59	44.00	35.02	45.90	39.01	34.81	32.35	43.68
1972-73 SE OF P-VAL	1.28	3.34	2.11	2.00	2.50	1.82	1.66	1.36	3.16	4.51	4.46	3.64	1.74	2.08	3.75	3.66	3.91	4.98	5.92	4.06	2.25	2.07
1972-73 DELTA-P		-1.99	4.43*	-1.60	0.06	7.25#	-6.69#	0.96#	-4.08	-6.29	-4.54	-0.92	-3.36*	4.10#	-4.84	4.37	-5.41	5.47	-1.42	-5.62	-8.08#	3.21
1972-73 SE OF DP		2.68	2.03	1.83	2.20	1.25	1.16	0.37	2.80	4.68	4.39	3.61	1.52	1.23	3.71	3.64	4.02	4.30	5.76	3.98	2.38	1.80
AGE: Ad																						
1972-73 P-VALUE	39.82	39.99	36.12	36.36	46.46	50.71	29.70	42.34	22.19	34.50	29.96	37.39	40.68	53.22	13.67	28.66	29.48	50.04	38.38	45.36	44.80	38.10
1972-73 SE OF P-VAL	1.36	2.10	3.04	3.15	2.04	2.02	1.69	1.49	3.67	4.51	2.16	3.49	3.04	2.54	5.07	2.78	3.90	3.32	5.34	3.71	4.13	2.52
1972-73 DELTA-P		0.17	-3.70	-3.46	6.64#	10.89#	-10.12#	2.52#	-17.63#	-5.32	-9.86#	-2.43	0.86	13.40#	-26.15#	-11.16#	-10.34#	10.22#	-1.44	5.54	4.98	-1.72
1972-73 SE OF DP		2.00	2.75	2.43	1.94	1.48	1.17	0.54	3.49	4.66	1.86	3.09	2.61	2.33	5.30	2.75	3.78	3.81	4.91	3.66	3.94	1.90
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	31.90	30.75	25.09	34.50	35.99	27.64	35.82	32.88	26.32	30.92	30.46	28.03	32.07	31.18	36.59	28.29	29.55	37.12	27.39	36.10	30.84	31.63
1972-73 SE OF P-VAL	1.32	2.42	2.41	3.18	2.33	1.41	1.96	1.61	2.38	5.04	3.24	4.60	2.57	1.68	2.72	5.23	2.64	4.11	3.45	3.91	3.16	2.16
1972-73 DELTA-P		-1.15	-6.81#	2.60	4.09	-4.26#	3.92#	0.98	-5.58*	-0.98	-1.44	-3.87	0.17	-0.72	4.69	-3.61	-2.35	5.22	-4.51	4.20	-1.06	-0.27
1972-73 SE OF DP		2.18	2.24	2.50	2.12	1.18	1.07	0.58	2.56	5.01	3.20	4.38	1.01	1.28	2.67	5.07	2.77	3.70	3.46	3.57	3.25	1.66
AGE: 17																						
1972-73 P-VALUE	29.08	29.88	27.59	30.37	27.71	20.75	36.62	28.42	30.15	35.05	34.66	28.34	30.64	26.84	30.83	33.59	34.57	28.46	29.92	33.54	26.90	25.60
1972-73 SE OF P-VAL	1.27	2.30	2.53	2.78	2.45	1.43	1.76	1.44	2.33	5.40	3.71	3.36	1.92	1.91	3.33	3.55	4.03	4.00	4.31	3.78	3.35	2.32
1972-73 DELTA-P		0.80	-1.41	1.37	-1.29	-8.25#	7.62#	-0.58	1.15	6.85	5.66	-0.66	1.64	-2.16	1.83	4.59	5.57	-0.54	0.92	4.54	-2.10	-3.40
1972-73 SE OF DP		2.06	2.31	2.21	2.17	1.13	0.98	0.49	2.47	5.05	3.62	3.07	1.42	1.22	3.55	3.41	3.81	3.64	4.12	3.56	3.21	1.88
AGE: Ad																						
1972-73 P-VALUE	36.96	39.31	38.12	39.12	31.25	26.57	46.61	36.08	40.49	43.95	46.03	37.87	37.24	23.55	67.01	46.55	43.52	31.71	36.00	29.23	32.41	39.20
1972-73 SE OF P-VAL	1.60	2.43	2.58	4.38	2.87	2.16	1.77	1.83	3.67	5.72	2.81	3.74	3.09	2.21	9.64	4.07	5.02	3.87	5.02	3.96	3.96	2.06
1972-73 DELTA-P		2.35	1.16	2.16	-5.71#	-10.39#	9.65#	-0.88	3.53	6.99	9.07#	0.91	0.28	-13.41#	30.05#	9.59*	6.56	-5.25	-0.96	-7.73*	-4.55	2.24
1972-73 SE OF DP		2.32	2.55	3.28	2.14	1.37	1.09	0.58	3.57	5.85	2.33	3.11	2.45	2.07	9.97	3.90	4.79	3.76	4.94	3.72	3.74	2.06

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 105008-234

72-73 Report #: UU171

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: E. Know the scientific enterprise.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

		13	17IS	Adult
Age:				
72-73 Package-Exercise:		02-03	03-03	05-01
72-73 National P-val: UU171		33.61	45.13	51.70
Timing: (in seconds)	Stimulus:	23	20	12
	Response:	8	8	*
	I don't know:	5	5	*
	Pause:	6	6	*
UU171	Exercise total:	42	39	*

*Time not limited by paced tape.

EXERCISE: 105008-234 08171

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective II.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.41	0.31	0.61	0.29	0.47	0.56	0.26	0.21	1.15	1.43	2.24	0.98	0.25	0.08	0.49	0.87	2.46	0.00	0.41	0.00	0.66	0.09
1972-73 SE OF P-VAL	0.15	0.23	0.42	0.22	0.32	0.26	0.14	0.14	0.57	1.07	1.51	0.81	0.19	0.08	0.39	0.84	1.13	0.00	0.41	0.00	0.51	0.09
1972-73 DELTA-P		-0.10	0.20	-0.12	0.06	0.15	-0.15	-0.20*	0.74	1.02	1.83	0.57	-0.16	-0.33*	0.08	0.46	2.05	-0.41#	0.00	-0.41#	0.25	-0.32*
1972-73 SE OF DP		0.22	0.34	0.21	0.27	0.14	0.14	0.10	0.51	1.02	1.41	0.75	0.20	0.15	0.36	0.76	1.06	0.15	0.39	0.15	0.47	0.16
AGE: 17																						
1972-73 P-VALUE	0.15	0.00	0.00	0.40	0.14	0.13	0.17	0.15	0.18	0.15	0.00	0.00	0.00	0.21	0.87	0.00	0.30	0.00	0.00	0.26	0.59	0.03
1972-73 SE OF P-VAL	0.09	0.00	0.00	0.30	0.11	0.10	0.15	0.11	0.18	0.15	0.00	0.00	0.00	0.17	0.74	0.00	0.30	0.00	0.00	0.25	0.57	0.03
1972-73 DELTA-P		-0.15	-0.15	0.25	-0.01	-0.02	0.02	0.00	0.03	0.00	-0.15	-0.15	-0.15	0.06	0.72	-0.15	0.15	-0.15	-0.15	0.11	0.44	-0.12
1972-73 SE OF DP		0.09	0.09	0.21	0.12	0.09	0.09	0.03	0.18	0.17	0.09	0.09	0.09	0.10	0.69	0.09	0.29	0.09	0.09	0.22	0.50	0.09
AGE: Ad																						
1972-73 P-VALUE	0.25	0.70	0.35	0.00	0.00	0.15	0.34	0.21	0.71	0.00	0.43	0.49	0.00	0.25	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.15	0.50	0.35	0.00	0.00	0.16	0.25	0.16	0.72	0.00	0.43	0.49	0.00	0.25	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.32
1972-73 DELTA-P		0.45	0.10	-0.25	-0.25	-0.10	0.09	-0.04	0.46	-0.25	0.18	0.24	-0.25	0.00	-0.25	-0.25	0.56	-0.25	-0.25	-0.25	-0.25	0.21
1972-73 SE OF DP		0.38	0.31	0.15	0.15	0.15	0.14	0.08	0.66	0.15	0.33	0.44	0.15	0.23	0.15	0.15	0.74	0.15	0.15	0.15	0.15	0.21
RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	33.61	34.60	29.79	34.89	34.66	34.71	32.53	36.53	22.49	18.69	24.60	26.10	34.09	40.45	22.68	31.65	16.77	44.74	26.50	39.62	35.50	32.77
1972-73 SE OF P-VAL	1.50	2.04	2.16	3.17	3.97	1.74	2.10	1.67	2.30	3.46	3.14	3.38	2.49	2.09	2.63	3.74	2.27	4.00	2.94	5.00	5.18	2.23
1972-73 DELTA-P		0.99	-3.82	1.28	1.05	1.10	-1.08	2.92#	-11.12#	-14.92#	-9.01#	-7.51*	0.48	6.84#	-10.93#	-1.96	-16.84#	11.13#	-7.11*	6.01	1.89	-0.84
1972-73 SE OF DP		2.09	2.21	2.56	3.19	1.22	1.20	0.49	2.61	3.33	3.24	3.26	1.67	1.41	2.38	3.01	2.84	3.68	2.92	4.35	4.60	2.07
AGE: 17																						
1972-73 P-VALUE	45.13	48.53	42.47	44.64	44.22	43.62	46.65	48.73	24.17	37.07	30.23	35.31	39.73	54.65	36.62	35.29	32.72	50.26	43.21	46.42	50.33	47.07
1972-73 SE OF P-VAL	1.37	3.17	2.63	2.52	2.74	1.99	1.79	1.53	2.08	4.05	3.26	4.06	2.23	1.74	3.92	3.01	2.09	3.58	4.63	3.43	3.88	2.60
1972-73 DELTA-P		3.40	-2.66	-0.49	-0.91	-1.51	1.52	3.60#	-20.96#	-8.06*	-14.90#	-9.82#	-5.40#	9.52#	-8.51*	-9.84#	-12.41#	5.13	-1.92	1.29	5.20	1.94
1972-73 SE OF DP		2.64	2.81	2.10	2.47	1.31	1.34	0.60	2.19	3.86	3.21	3.72	1.74	1.29	4.00	2.83	3.09	3.35	4.57	3.08	3.40	2.01
AGE: Ad																						
1972-73 P-VALUE	51.70	53.06	46.46	52.39	53.97	53.40	50.11	57.42	24.52	22.38	37.15	44.10	51.76	74.58	16.17	45.20	29.60	69.66	51.46	53.76	56.53	50.28
1972-73 SE OF P-VAL	1.41	3.22	2.91	2.84	2.31	1.84	1.92	1.53	3.43	4.10	2.51	3.05	2.12	2.42	5.41	5.12	3.78	3.43	4.21	3.39	4.59	1.92
1972-73 DELTA-P		1.36	-5.24	0.69	2.27	1.70	-1.59	5.72#	-27.18#	-29.32#	-14.55#	-7.60#	0.06	22.88#	-35.53#	-6.50	-22.10#	17.96#	-0.24	2.06	4.83	-1.42
1972-73 SE OF DP		2.67	2.66	2.37	2.14	1.29	1.18	0.67	3.52	4.12	2.06	2.85	1.78	2.35	5.14	4.78	3.46	3.40	4.21	3.13	4.16	1.60
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.71	8.10	8.13	10.18	8.16	9.37	8.06	8.51	8.92	11.08	10.14	8.04	8.24	7.62	12.17	9.93	11.64	11.76	9.49	7.35	8.35	7.14
1972-73 SE OF P-VAL	0.66	1.39	1.42	1.17	1.40	0.80	0.89	0.77	1.54	2.76	2.22	1.83	1.17	0.92	2.32	1.49	2.51	1.82	1.81	1.71	1.69	1.08
1972-73 DELTA-P		-0.61	-0.58	1.47	-0.55	0.66	-0.65	-0.20	0.21	2.37	1.43	-0.67	-0.47	-1.09	3.46	1.22	2.93	3.05	0.78	-1.36	-0.36	-1.57
1972-73 SE OF DP		1.20	1.25	1.03	1.19	0.54	0.53	0.35	1.50	2.66	2.11	1.68	1.05	0.80	2.04	1.51	2.39	1.76	1.63	1.45	1.54	0.92
AGE: 17																						
1972-73 P-VALUE	7.18	6.85	7.27	6.28	8.76	9.41	4.93	7.10	7.37	7.87	6.71	8.18	7.75	6.25	10.19	9.70	7.26	7.39	6.30	7.30	7.07	6.46
1972-73 SE OF P-VAL	0.68	1.27	1.32	1.27	1.60	1.18	0.75	0.82	1.41	2.28	2.25	1.89	1.19	1.10	2.96	1.81	2.11	2.43	1.64	1.63	1.76	1.11
1972-73 DELTA-P		-0.33	0.09	-0.90	1.58	2.23#	-2.25#	-0.08	0.19	0.69	-0.47	1.00	0.57	-0.93	3.01	2.52	0.08	0.21	-0.88	0.12	-0.11	-0.72
1972-73 SE OF DP		1.11	1.21	1.05	1.38	0.71	0.73	0.30	1.46	2.26	2.31	1.89	0.94	0.70	2.98	1.74	2.02	2.20	1.64	1.45	1.65	0.91
AGE: Ad																						
1972-73 P-VALUE	5.45	4.97	8.79	4.91	3.74	5.55	5.35	5.42	3.11	9.58	7.30	6.05	4.49	3.00	18.82	12.51	6.92	6.00	2.19	1.21	5.19	5.39
1972-73 SE OF P-VAL	0.65	0.86	1.77	1.41	1.05	0.99	0.67	0.78	1.00	3.71	1.42	1.81	1.10	0.82	6.93	3.98	2.01	1.66	1.22	0.90	2.77	0.87
1972-73 DELTA-P		-0.48	3.34*	-0.54	-1.71	0.10	-0.10	-0.03	-2.34*	4.13	1.85	0.60	-0.96	-2.45#	13.37	7.06	1.47	0.55	-3.26#	-4.24#	-0.26	-0.06
1972-73 SE OF DP		0.88	1.48	1.15	0.98	0.56	0.52	0.32	1.15	3.65	1.12	1.59	0.93	0.79	6.97	3.69	1.95	1.54	1.29	0.98	2.56	0.84

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 105011-24

72-73 Report #: UU172
69-70 Report #: U770

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: B. Know the scientific enterprise.

69-70 Obj: III. UNDERSTAND THE INVESTIGATIVE NATURE OF SCIENCE.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	Adult
72-73 Package-Exercise:	08-25	07-29
69-70 Package-Exercise:	04-13	
72-73 National P-val: UU172	47.90	49.91
69-70 National P-value: UU172	45.89	
Timing: (in seconds)		
Stimulus:	14	17
Response:	20	*
I don't know:	5	*
Pause:	6	*
UU172 Exercise total:	45	*

*Time not limited by paced tape.

EXERCISE: 105011-24 00172

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective II.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.37	0.74	0.00	0.60	4.14	1.19	1.55	0.95	0.71	6.97	2.69	0.00	1.71	1.10	1.62	0.74	13.91	0.71	1.11	0.22	0.11	0.08
1969-70 P-VALUE	0.75	1.28	0.22	0.66	0.80	0.75	0.76	0.61	1.66	0.84	-0.01	0.34	0.17	0.70	3.67	2.30	3.15	0.94	-0.01	0.46	0.15	0.50
CHANGE P-VALUE	0.62	-0.54	-0.22	-0.06	3.34	0.44	0.79	0.34	-0.95	6.13	2.70	-0.34	1.54	0.40	-2.05	-1.56	10.76	-0.23	1.12	-0.24	-0.04	-0.425
1972-73 SE OF P-VAL	1.01	0.47	0.00	0.33	4.00	0.90	1.14	0.58	0.73	5.96	2.64	0.00	1.29	0.70	1.31	0.73	12.55	0.65	0.86	0.21	0.10	0.08
1969-70 SE OF P-VAL	0.19	0.48	0.20	0.51	0.25	0.29	0.24	0.14	1.21	0.59	0.00	0.35	0.15	0.35	1.47	0.71	1.57	0.66	0.00	0.53	0.17	0.13
SE OF CHANGE P-VALUE	1.03	0.67	0.20	0.61	4.01	0.95	1.16	0.60	1.41	5.99	2.64	0.35	1.30	0.78	1.97	1.02	12.65	0.93	0.86	0.57	0.20	0.15
1972-73 DELTA-P		-0.63	-1.37	-0.77	2.77	-0.18	0.18	-0.42	-0.66*	5.60	1.32	-1.37	0.34	-0.27	0.25	-0.63	12.54	-0.66	-0.26	-1.15	-1.26	-1.29
1969-70 DELTA-P		0.53	-0.53*	-0.09	0.05	0.00	0.01	-0.14	0.91	0.09	-0.76#	-0.41	-0.58#	-0.05	2.92*	1.55*	2.40	0.19	-0.76#	-0.29	-0.60*	-0.25
CHANGE DELTA-P		-1.16	-0.84	-0.68	2.72	-0.18	0.17	-0.28	-1.57	5.51	2.08	-0.96	0.92*	-0.22	-2.67	-2.18	10.14	-0.85	0.50	-0.86	-0.66	-1.04
1972-73 SE OF DP		1.07	1.01	1.04	3.00	0.18	0.18	0.45	0.32	4.97	1.65	1.01	0.34	0.40	0.38	1.20	11.57	1.16	1.26	1.02	1.02	1.01
1969-70 SE OF DP		0.39	0.24	0.40	0.26	0.18	0.18	0.15	1.08	0.54	0.19	0.37	0.21	0.26	1.39	0.72	1.43	0.60	0.19	0.51	0.24	0.21
SE OF CHANGE DELTA-P		1.14	1.04	1.11	3.01	0.25	0.25	0.47	1.13	5.00	1.66	1.08	0.40	0.48	1.44	1.40	11.66	1.31	1.27	1.14	1.05	1.03
AGE: Ad																						
1972-73 P-VALUE	0.87	1.42	0.66	0.78	0.61	0.71	1.02	1.01	0.00	0.44	1.10	2.28	0.47	0.19	1.42	1.90	0.27	0.34	0.56	2.11	0.86	0.68
1972-73 SE OF P-VAL	0.30	0.96	0.39	0.52	0.31	0.27	0.49	0.37	0.00	0.42	0.48	1.51	0.27	0.19	1.47	0.80	0.27	0.37	0.58	1.10	0.60	0.59
1972-73 DELTA-P		0.55	-0.21	-0.09	-0.26	-0.16	0.15	0.14*	-0.87#	-0.43	0.23	1.41	-0.40	-0.68*	0.55	1.03	-0.60	-0.49	-0.31	1.24	-0.01	-0.19
1972-73 SE OF DP		0.74	0.43	0.46	0.37	0.27	0.25	0.07	0.30	0.50	0.43	1.28	0.30	0.32	1.05	0.80	0.45	0.37	0.58	0.96	0.61	0.41
RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	47.90	52.00	46.84	49.31	43.62	45.40	50.44	51.86	29.49	36.61	34.75	42.52	47.59	56.14	35.15	43.25	27.08	54.42	45.87	46.17	51.58	51.69
1969-70 P-VALUE	45.89	47.63	41.57	50.75	43.14	44.16	47.51	49.31	29.91	32.30	31.40	42.57	46.09	50.07	34.39	44.47	35.22	47.88	46.30	50.47	43.17	47.49
CHANGE P-VALUE	2.01	4.37	5.27	-1.44	0.48	1.24	2.93	2.55	-0.42	4.31	3.35	-0.05	1.50	6.07*	0.76	-1.22	-8.14	6.54	-0.43	-4.30	8.41	4.20
1972-73 SE OF P-VAL	1.57	2.86	3.15	3.38	2.98	1.67	1.95	1.63	3.39	3.99	3.68	4.58	2.34	1.99	3.61	3.28	4.79	4.62	2.97	3.00	3.09	2.53
1969-70 SE OF P-VAL	1.52	2.92	3.07	2.81	3.24	2.00	2.20	1.74	2.93	4.46	5.74	3.33	2.31	1.95	4.02	5.38	3.40	4.15	3.50	5.05	4.32	2.76
SE OF CHANGE P-VALUE	2.19	4.09	4.40	4.40	4.40	2.61	2.94	2.38	4.48	5.98	6.82	5.66	3.29	2.79	5.40	6.30	5.87	6.21	4.59	6.61	5.81	3.74
1972-73 DELTA-P		4.10	-1.06	1.41	-4.28	-2.50#	2.54#	3.96#	-18.41#	-11.29#	-13.15#	-5.38	-0.31	8.24#	-12.75#	-4.65	-20.82#	6.52	-2.03	-1.73	3.68	3.79
1969-70 DELTA-P		1.74	-4.32	4.86*	-2.75	-1.73	1.62	3.42#	-15.98#	-13.59#	-14.49#	-3.32	0.20	4.18#	-11.50#	-1.42	-10.67#	1.99	0.41	4.58	-2.72	1.60
CHANGE DELTA-P		2.36	3.26	-3.45	-1.53	-0.77	0.92	0.54	-2.43	2.30	1.34	-2.06	-0.51	4.06	-1.25	-3.23	-10.15	4.53	-2.44	-6.31	6.40	2.19
1972-73 SE OF DP		2.57	2.74	2.80	2.63	0.97	0.97	0.81	3.15	3.78	3.87	4.22	2.07	1.46	3.07	3.33	4.29	4.31	2.97	2.79	3.42	2.13
1969-70 SE OF DP		2.58	2.79	2.41	2.68	1.48	1.43	0.70	3.02	4.46	5.27	3.15	1.70	1.42	3.42	5.43	3.51	3.90	3.36	5.40	3.07	2.20
SE OF CHANGE DELTA-P		3.64	3.91	3.69	3.75	1.77	1.73	1.07	4.36	5.82	6.54	5.27	2.68	2.04	4.60	6.37	5.54	5.81	4.48	6.08	5.16	3.06
AGE: Ad																						
1972-73 P-VALUE	49.91	49.88	44.91	49.66	54.15	52.26	47.73	53.69	30.98	28.03	39.75	42.30	52.57	64.32	24.76	49.61	34.48	56.90	43.89	50.83	53.37	51.23
1972-73 SE OF P-VAL	1.49	2.35	2.91	3.02	3.45	2.25	2.02	1.56	3.60	4.06	2.28	2.95	2.49	2.36	5.27	2.88	4.88	4.28	4.40	3.00	4.02	2.33
1972-73 DELTA-P		-0.03	-5.00	-0.25	4.24	2.35	-2.18	3.78#	-19.01#	-21.88#	-10.16#	-7.61#	2.66	16.41#	-25.15#	-0.30	-15.43#	6.99	-6.02	0.92	3.46	1.32
1972-73 SE OF DP		2.22	2.71	2.52	2.79	1.59	1.45	0.53	3.44	4.21	1.60	2.56	1.97	2.09	5.09	2.91	4.72	3.88	4.09	3.67	3.70	1.75
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.33	5.67	5.18	6.45	7.98	5.12	7.56	5.90	7.52	0.92	7.37	4.89	5.79	5.68	9.33	5.06	7.46	9.11	4.00	6.41	5.23	6.61
1969-70 P-VALUE	5.28	3.52	6.15	6.10	5.38	5.78	4.87	4.87	6.21	0.52	9.69	3.50	5.29	4.95	6.62	7.07	7.07	5.90	3.40	2.97	6.62	5.02
CHANGE P-VALUE	1.05	2.15	-0.97	0.35	2.60	-0.66	2.69*	1.03	1.31	0.40	-2.32	1.39	0.50	0.73	2.71	-2.01	0.39	3.21	0.60	3.44	-1.39	1.59
1972-73 SE OF P-VAL	0.71	1.02	1.70	1.42	1.32	0.83	1.00	0.79	1.42	2.90	2.24	1.62	1.15	0.86	1.92	2.53	2.35	2.32	1.18	1.67	0.85	1.59
1969-70 SE OF P-VAL	0.61	0.90	1.46	1.35	1.10	0.86	0.70	0.71	1.67	2.29	3.00	1.39	0.90	0.90	1.66	2.38	2.17	2.36	0.90	1.28	1.86	0.94
SE OF CHANGE P-VALUE	0.94	1.36	2.24	1.96	1.72	1.20	1.22	1.06	2.19	3.70	3.74	2.13	1.51	1.24	2.54	3.47	3.20	3.31	1.48	2.10	2.05	1.85
1972-73 DELTA-P		-0.66	-1.15	0.12	1.65	-1.21*	1.23*	-0.43	1.19	2.59	1.04	-1.44	-0.54	-0.65	3.00	-0.87	1.53	2.78	-2.33	0.08	-1.10	0.28
1969-70 DELTA-P		-1.76	0.87	0.82	0.10	0.50	-0.41	-0.41	0.93	3.24	4.41	-1.78	0.01	-0.33	1.34	2.19	2.19	0.62	-1.88	-2.31	1.34	-0.26
CHANGE DELTA-P		1.10	-2.02	-0.70	1.55	-1.71*	1.64*	-0.02	0.26	-0.65	-3.37	0.34	-0.55	-0.32	1.66	-3.06	-0.66	2.16	-0.45	2.39	-2.44	0.54
1972-73 SE OF DP		1.02	1.38	1.21	1.17	0.58	0.57	0.33	1.34	2.79	2.08	1.44	0.99	0.64	1.60	2.34	2.26	2.18	1.30	1.55	1.02	1.19
1969-70 SE OF DP		0.88	1.24	1.12	0.97	0.49	0.48	0.31	1.64	2.21	2.88	1.38	0.78	0.60	1.62	2.29	2.13	2.08	0.94	1.30	1.65	0.81
SE OF CHANGE DELTA-P		1.35	1.86	1.65	1.52	0.76	0.75	0.45	2.12	3.56	3.49	1.99	1.26	0.88	2.28	3.27	3.11	3.01	1.60	2.02	1.94	1.44

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 105011-24 UU172

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IX.

RESPONSE: 09 AGE: A6 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.53	7.98	11.54	6.68	8.63	6.34	10.56	7.79	12.85	12.50	13.66	8.31	7.05	4.02	19.80	9.30	16.60	4.72	6.76	2.82	7.75	10.09
1972-73 SE OF P-VAL	0.69	1.62	1.66	1.20	1.09	1.03	0.92	0.76	2.83	3.83	1.74	1.61	1.20	1.01	7.02	1.30	2.87	1.51	1.56	1.07	1.62	1.31
1972-73 DELTA-P		-0.55	3.01*	-1.85	0.10	-2.19#	2.03#	-0.78*	3.92	3.97	5.13#	-0.22	-1.88	-4.51#	11.35	0.77	8.07#	-3.01#	-1.77	-5.71#	-0.78	1.56
1972-73 SE OF DP		1.34	1.47	1.04	1.01	0.72	0.66	0.36	2.35	3.38	1.42	1.60	1.18	0.80	6.80	1.45	2.73	1.35	1.62	1.21	1.51	0.96

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 105013-12

72-73 Report #: UP173

72-73 Obj: I. KNOW THE FUNDAMENTAL ASPECTS OF SCIENCE.
72-73 Subobj: E. Know the scientific enterprise.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	01-03	01-02
72-73 National P-val:		
UP173	66.41	87.63
Timing: (in seconds)		
Stimulus:	21	22
Response:	38	38
I don't know:	5	5
Pause:	6	6
UP173 Exercise total:	70	71

EXERCISE: 105013-12 UP173

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IR.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.72	0.27	0.83	0.52	1.29	1.03	0.41	0.31	2.89	1.15	2.30	0.00	1.14	0.00	0.92	0.00	5.24	0.00	0.35	0.33	0.63	0.57
1972-73 SE OF P-VAL	0.30	0.18	0.43	0.31	1.04	0.42	0.22	0.15	1.91	0.69	1.75	0.00	0.85	0.00	0.34	0.00	3.79	0.00	0.36	0.32	0.43	0.31
1972-73 DELTA-P		-0.45	0.11	-0.20	0.57	0.31	-0.31	-0.41	2.17	0.43	1.58	-0.72*	0.42	-0.72*	0.20	-0.72*	4.52	-0.72*	-0.37	-0.39	-0.09	-0.15
1972-73 SE OF DP		0.32	0.44	0.36	0.79	0.17	0.17	0.27	1.65	0.68	1.51	0.30	0.60	0.30	0.33	0.30	3.54	0.30	0.44	0.40	0.47	0.35
AGE: 13																						
1972-73 P-VALUE	0.23	0.72	0.24	0.00	0.00	0.18	0.28	0.00	1.42	0.57	0.00	0.63	0.24	0.00	0.72	0.00	0.36	0.00	0.97	0.00	0.00	0.24
1972-73 SE OF P-VAL	0.12	0.47	0.24	0.00	0.00	0.12	0.21	0.00	0.72	0.57	0.00	0.63	0.18	0.00	0.43	0.00	0.36	0.00	0.70	0.00	0.00	0.18
1972-73 DELTA-P		0.49	0.01	-0.23	-0.23	-0.05	0.05	-0.23	1.19	0.34	-0.23	0.40	0.01	-0.23	0.49	-0.23	0.13	-0.23	0.74	-0.23	-0.23	0.01
1972-73 SE OF DP		0.36	0.22	0.12	0.12	0.11	0.11	0.12	0.60	0.49	0.12	0.55	0.15	0.12	0.32	0.12	0.32	0.12	0.59	0.12	0.12	0.17
RESPONSE: 04* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	66.41	69.24	60.31	70.63	64.57	65.37	67.46	70.54	46.47	59.16	61.42	59.74	64.97	77.15	60.44	58.95	47.56	75.06	64.63	70.02	68.62	66.97
1972-73 SE OF P-VAL	1.58	2.96	3.79	2.92	2.84	1.56	2.15	1.82	3.14	3.53	4.66	4.68	2.28	1.92	2.40	7.86	5.11	3.01	4.02	4.84	4.18	2.51
1972-73 DELTA-P		2.83	-6.10	4.22	-1.84	-1.04	1.05	4.13#	-19.94#	-7.25*	-4.99	-6.67	-1.44	10.74#	-5.97#	-7.46	-18.85#	8.65#	-1.78	3.61	2.21	0.56
1972-73 SE OF DP		2.60	3.20	2.53	2.55	1.00	1.02	0.75	3.06	3.55	4.32	4.77	1.76	1.57	1.38	7.38	5.02	2.85	3.92	4.30	3.89	2.16
AGE: 13																						
1972-73 P-VALUE	87.63	89.89	83.36	89.64	86.40	86.81	88.48	91.54	71.37	73.95	74.13	84.20	89.16	93.12	78.43	76.07	79.41	96.98	86.74	90.62	89.35	87.15
1972-73 SE OF P-VAL	1.10	1.65	1.86	1.79	3.23	1.40	1.49	0.77	2.02	8.09	5.98	3.23	1.68	1.03	2.43	6.07	4.26	1.05	2.48	2.59	1.22	1.51
1972-73 DELTA-P		2.26	-4.27*	2.01	-1.23	-0.82	0.85	3.91#	-16.26#	-13.68	-13.50#	-3.43	1.53	5.49#	-9.20#	-11.56*	-8.22	9.35#	-0.89	2.99	1.72	-0.48
1972-73 SE OF DP		1.60	1.80	1.57	2.59	0.92	0.96	0.86	1.95	7.45	5.38	2.99	1.39	1.11	2.24	5.49	4.21	1.37	2.37	2.41	1.39	1.48
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	6.85	5.42	10.39	4.85	7.23	7.37	6.32	6.24	10.01	7.51	8.55	7.95	5.41	3.90	9.49	13.00	8.68	4.75	7.62	3.29	4.16	8.22
1972-73 SE OF P-VAL	0.86	1.29	2.95	1.00	1.22	1.08	0.99	0.86	2.14	1.83	2.61	2.41	1.08	0.85	1.36	5.83	1.84	1.32	2.62	1.20	1.31	1.30
1972-73 DELTA-P		-1.43	3.54	-2.00	0.38	0.52	-0.53	-0.61	3.16	0.66	1.70	1.10	-1.44	-2.95#	2.64#	6.15	1.83	-2.10	0.77	-3.56#	-2.69*	1.37
1972-73 SE OF DP		1.24	2.35	1.08	1.21	0.56	0.57	0.31	1.79	1.66	2.18	2.38	1.01	0.63	0.76	5.34	1.79	1.37	2.37	1.36	1.33	1.07
AGE: 13																						
1972-73 P-VALUE	2.49	1.27	3.73	3.05	1.95	2.74	2.23	1.93	5.98	2.29	3.30	1.29	1.92	1.23	7.12	7.26	4.60	0.82	2.32	1.13	2.46	2.03
1972-73 SE OF P-VAL	0.42	0.46	1.14	0.90	0.69	0.72	0.51	0.45	1.57	1.37	1.41	1.07	0.52	0.84	1.72	2.27	1.66	0.58	0.98	1.08	1.38	0.56
1972-73 DELTA-P		-1.22*	1.24	0.56	-0.54	0.25	-0.26	-0.56*	3.49*	-0.20	0.81	-1.20	-0.57	-1.26#	4.63#	4.77*	2.11	-1.67#	-0.17	-1.36	-0.03	-0.46
1972-73 SE OF DP		0.54	0.96	0.69	0.66	0.46	0.48	0.24	1.42	1.34	1.44	1.02	0.60	0.37	1.37	2.11	1.65	0.64	0.95	1.03	1.22	0.56

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201015-23

72-73 Report #: UP174

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	07-24	06-01
72-73 National P-val:		
UP174	37.48	58.36
Timing: (in seconds)		
Stimulus:	23	22
Response:	31	30
I don't know:	5	5
Pause:	6	6
UP174 Exercise total:	65	63

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

EXERCISE: 201015-23 UP174

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.95	0.45	0.15	2.44	4.66	2.18	1.72	2.01	1.96	1.35	3.51	1.74	2.11	1.91	1.16	6.04	0.00	0.55	4.51	5.13	0.00	0.17
1972-73 SE OF P-VAL	1.02	0.31	0.15	2.32	3.25	1.16	0.93	1.09	1.73	1.36	2.05	1.23	1.13	1.11	0.75	5.58	0.00	0.53	4.41	4.17	0.00	0.13
1972-73 DELTA-P		-1.50	-1.80	0.49	2.71	0.23	-0.23	0.06	-0.09	-0.60	1.56	-0.21	0.16	-0.04	-0.79	4.09	-1.95	-1.40	2.56	3.18	-1.95	-1.78
1972-73 SE OF DP		1.05	1.03	1.06	2.54	0.22	0.22	0.25	1.48	1.12	1.10	0.68	0.48	0.41	0.64	4.98	1.02	1.13	3.96	3.65	1.02	1.03
AGE: 17																						
1972-73 P-VALUE	0.11	0.00	0.32	0.00	0.20	0.17	0.06	0.05	0.64	0.00	0.00	0.34	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.09
1972-73 SE OF P-VAL	0.07	0.00	0.23	0.00	0.20	0.12	0.06	0.06	0.45	0.00	0.00	0.34	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.10
1972-73 DELTA-P		-0.11	0.21	-0.11	0.09	0.06	-0.05	-0.06	0.53	-0.11	-0.11	0.23	-0.11	0.06	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	0.53	-0.02
1972-73 SE OF DP		0.07	0.19	0.07	0.16	0.07	0.06	0.05	0.41	0.07	0.07	0.31	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.41	0.08
RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	37.48	33.55	38.08	38.82	39.55	42.13	32.91	39.94	25.87	31.85	32.28	35.96	34.09	43.42	31.34	42.44	29.06	36.46	28.59	32.69	44.02	39.90
1972-73 SE OF P-VAL	1.48	2.99	2.90	2.73	2.93	1.80	1.86	1.59	3.01	3.38	4.54	2.97	1.97	2.39	2.51	4.19	2.59	4.41	4.78	3.29	4.45	2.92
1972-73 DELTA-P		-3.93	0.60	1.34	2.07	4.65#	-4.57#	2.46#	-11.61#	-5.63	-5.20	-1.52	-3.39	5.94#	-6.14#	4.96	-8.42#	-1.02	-8.89	-4.79	6.54	2.42
1972-73 SE OF DP		2.50	2.61	2.36	2.56	1.09	1.06	0.57	2.75	3.17	4.37	2.78	1.75	1.54	2.06	4.06	2.66	3.87	4.52	3.10	4.08	2.64
AGE: 17																						
1972-73 P-VALUE	58.36	53.18	57.68	59.57	63.50	64.37	52.89	61.22	43.11	42.88	48.95	47.10	53.63	66.70	48.07	65.[illegible]9	43.51	55.08	42.77	57.24	60.11	64.23
1972-73 SE OF P-VAL	1.38	2.43	2.57	2.68	3.02	2.01	1.84	1.52	3.79	4.40	4.15	3.90	2.50	1.83	5.21	6.[illegible]8	3.75	3.24	3.93	3.41	2.76	2.20
1972-73 DELTA-P		-5.18*	-0.68	1.21	5.14*	6.01#	-5.47#	2.86#	-15.25#	-15.48#	-9.41*	-11.26#	-4.73*	8.34#	-10.29	[illegible].83	-14.85#	-3.28	-15.59#	-1.12	1.75	5.87#
1972-73 SE OF DP		2.14	2.41	2.21	2.57	1.51	1.25	0.60	3.68	4.24	4.01	3.59	2.00	1.29	5.32	5.69	3.62	3.13	3.98	2.99	2.88	1.82
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	10.25	11.92	11.90	9.59	7.69	7.25	13.20	9.28	14.67	12.91	14.26	7.54	9.06	8.81	14.06	7.89	16.29	11.47	13.59	10.83	7.71	9.13
1972-73 SE OF P-VAL	0.74	1.90	1.00	1.69	1.02	0.79	1.00	0.78	1.75	2.26	3.36	1.85	1.28	0.92	2.27	2.11	2.65	2.07	2.87	2.11	1.37	1.08
1972-73 DELTA-P		1.67	1.65	-0.66	-2.56*	-3.00#	2.95#	-0.97#	4.42#	2.66	4.01	-2.71	-0.39	-1.44	4.61*	-2.36	6.04*	1.22	3.34	0.58	-2.54	-1.12
1972-73 SE OF DP		1.53	1.06	1.35	1.06	0.55	0.54	0.32	1.62	2.17	3.12	1.85	0.92	0.80	2.11	1.98	2.52	1.84	2.62	2.01	1.35	0.99
AGE: 17																						
1972-73 P-VALUE	2.05	2.38	2.03	2.01	1.73	1.43	2.62	1.28	7.13	4.42	2.42	2.64	2.07	1.42	5.86	0.43	3.23	2.59	5.03	3.85	0.77	0.94
1972-73 SE OF P-VAL	0.43	0.98	0.83	0.90	0.50	0.45	0.76	0.35	2.37	1.79	1.46	1.98	0.77	0.42	3.06	0.30	0.96	0.98	3.10	1.48	0.[illegible]	0.33
1972-73 DELTA-P		0.33	-0.02	-0.04	-0.32	-0.62	0.57	-0.77*	5.08*	2.37	0.37	0.59	0.02	-0.63	3.81	-1.62#	1.18	0.54	2.98	1.80	-1.28	-1.11*
1972-73 SE OF DP		0.78	0.77	0.72	0.56	0.49	0.44	0.32	2.10	1.64	1.41	1.87	0.62	0.42	2.88	0.50	0.99	0.92	2.86	1.24	0.74	0.47

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201019-123

72-73 Report #: UP175

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13	17IS
72-73 Package-Exercise:	06-05	06-12	06-03
72-73 National P-val:			
UP175	19.70	42.16	57.55
Timing: (in seconds)			
Stimulus:	17	18	17
Response:	30	32	30
I don't know:	5	5	5
Pause:	6	6	6
UP175 Exercise total:	58	61	58

EXERCISE: 201019-123 UP175

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.57	0.53	0.96	0.26	0.58	0.69	0.45	0.58	0.78	0.00	0.87	1.03	1.17	0.40	0.27	0.77	0.71	0.40	0.31	0.57	0.71	0.59
1972-73 SE OF P-VAL	0.16	0.29	0.46	0.19	0.30	0.24	0.20	0.18	0.49	0.00	0.89	0.78	0.46	0.22	0.16	0.60	0.70	0.40	0.31	0.41	0.53	0.25
1972-73 DELTA-P		-0.04	0.39	-0.31	0.01	0.12	-0.12	0.01	0.21	-0.57#	0.30	0.46	0.60	-0.17	-0.30	0.20	0.14	-0.17	-0.26	0.00	0.14	0.02
1972-73 SE OF DP		0.25	0.37	0.20	0.28	0.15	0.16	0.09	0.45	0.16	0.86	0.73	0.37	0.21	0.16	0.57	0.66	0.38	0.31	0.39	0.47	0.22
AGE: 13																						
1972-73 P-VALUE	0.18	0.49	0.08	0.00	0.18	0.20	0.16	0.19	0.11	0.20	0.00	0.15	0.06	0.31	0.17	0.00	0.58	0.00	0.65	0.00	0.00	0.24
1972-73 SE OF P-VAL	0.10	0.34	0.07	0.00	0.18	0.12	0.15	0.11	0.11	0.20	0.00	0.15	0.05	0.22	0.16	0.00	0.59	0.00	0.48	0.00	0.00	0.23
1972-73 DELTA-P		0.31	-0.10	-0.18	0.00	0.02	-0.02	0.01	-0.07	0.02	-0.18	-0.03	-0.12	0.13	-0.01	-0.18	0.40	-0.18	0.47	-0.18	-0.18	0.06
1972-73 SE OF DP		0.26	0.11	0.10	0.16	0.10	0.10	0.03	0.12	0.19	0.10	0.15	0.10	0.14	0.16	0.10	0.55	0.10	0.45	0.10	0.10	0.16
AGE: 17																						
1972-73 P-VALUE	0.13	0.00	0.16	0.18	0.20	0.21	0.06	0.12	0.32	0.00	0.00	0.89	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.25
1972-73 SE OF P-VAL	0.08	0.00	0.17	0.19	0.20	0.15	0.06	0.09	0.32	0.00	0.00	0.66	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.18
1972-73 DELTA-P		-0.13	0.03	0.05	0.07	0.08	-0.07	-0.01	0.19	-0.13	-0.13	0.76	-0.13	-0.03	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	0.25	0.12
1972-73 SE OF DP		0.08	0.15	0.14	0.17	0.08	0.08	0.04	0.29	0.08	0.08	0.60	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.34	0.13
RESPONSE: 04* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	19.70	20.44	21.51	18.77	17.89	19.75	19.65	21.03	14.32	16.29	17.73	22.34	18.62	25.60	15.80	25.28	13.11	26.18	19.34	11.93	21.50	19.48
1972-73 SE OF P-VAL	1.01	2.23	1.91	2.04	1.70	1.35	1.35	1.21	1.80	2.56	3.23	4.31	1.81	2.21	1.22	2.70	2.18	3.23	2.64	1.87	1.88	1.97
1972-73 DELTA-P		0.74	1.81	-0.93	-1.81	0.05	-0.05	1.33#	-5.38#	-3.41	-1.97	2.64	-1.08	5.90#	-3.90#	5.58*	-6.59#	6.48*	-0.36	-7.77#	1.80	-0.22
1972-73 SE OF DP		1.84	1.70	1.68	1.65	0.88	0.91	0.42	1.79	2.54	3.19	4.07	1.64	1.68	1.03	2.46	2.31	3.02	2.32	1.82	1.85	1.62
AGE: 13																						
1972-73 P-VALUE	42.76	44.42	40.50	42.75	40.78	43.76	40.68	43.78	34.94	33.52	36.87	41.52	41.10	45.37	37.96	46.07	35.51	46.27	37.15	40.44	36.49	44.98
1972-73 SE OF P-VAL	1.44	3.23	4.24	1.84	2.16	1.78	1.87	1.55	3.29	5.24	6.21	4.87	1.65	2.12	3.49	4.95	3.34	2.70	5.83	2.00	2.30	2.75
1972-73 DELTA-P		2.26	-1.66	0.59	-1.38	1.60	-1.48	1.62#	-7.22*	-8.64	-5.29	-0.64	-1.06	3.21*	-4.20	3.91	-6.65	4.11	-5.01	-1.72	-5.67*	2.82
1972-73 SE OF DP		2.72	3.47	1.87	2.11	1.16	1.08	0.57	2.99	5.10	5.84	4.27	1.31	1.59	3.16	4.54	3.36	2.70	5.45	2.19	2.38	1.98
AGE: 17																						
1972-73 P-VALUE	57.55	57.40	51.50	61.49	58.08	63.75	51.91	60.83	39.83	40.13	39.53	53.45	58.47	62.61	41.61	60.39	43.06	59.42	53.64	55.18	59.86	60.24
1972-73 SE OF P-VAL	1.39	2.85	2.74	2.34	3.17	1.69	1.87	1.36	3.73	5.46	3.10	2.92	2.12	1.91	4.84	3.49	4.77	4.41	4.98	3.57	3.29	2.21
1972-73 DELTA-P		-0.15	-6.05*	3.94	0.53	6.20#	-5.64#	3.28#	-17.72#	-17.42#	-18.02#	-4.10	0.92	5.06#	-15.94#	2.84	-14.49#	1.87	-3.91	-2.37	2.31	2.69
1972-73 SE OF DP		2.37	2.51	2.08	2.69	1.14	1.14	0.65	3.59	5.27	3.18	3.07	1.60	1.25	4.39	3.53	4.42	4.00	4.96	3.15	3.23	1.84
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	16.06	16.09	16.08	16.23	15.76	13.98	18.20	15.18	21.08	14.93	12.70	13.78	14.22	11.70	21.16	17.35	25.93	17.06	13.17	18.98	15.29	12.83
1972-73 SE OF P-VAL	0.94	1.61	1.71	2.18	1.82	1.08	1.51	1.08	2.15	3.07	2.72	3.58	1.90	1.54	1.49	3.27	3.88	2.73	2.39	3.28	1.75	1.39
1972-73 DELTA-P		0.03	0.02	0.17	-0.30	-2.08*	2.14*	-0.88	5.02*	-1.13	-3.36	-2.28	-1.88	-4.36#	5.10#	1.29	9.87#	1.00	-2.89	2.92	-0.77	-3.23*
1972-73 SE OF DP		1.45	1.54	1.72	1.68	0.91	0.93	0.45	2.09	2.96	2.71	3.65	1.62	1.18	1.10	3.15	3.68	2.34	2.42	2.93	1.75	1.32
AGE: 13																						
1972-73 P-VALUE	4.40	5.47	4.05	3.56	4.66	4.48	4.32	4.23	4.91	5.76	4.36	4.59	3.92	4.38	5.39	0.98	3.59	7.76	4.16	6.07	4.30	3.72
1972-73 SE OF P-VAL	0.43	1.21	0.73	0.68	0.75	0.59	0.66	0.50	1.46	2.14	1.78	1.81	0.80	0.73	1.16	0.54	1.29	1.24	1.22	1.32	0.96	0.75
1972-73 DELTA-P		1.07	-0.35	-0.84	0.26	0.08	-0.08	-0.17	0.51	1.36	-0.04	0.19	-0.48	-0.02	0.99	-3.42#	-0.81	3.36#	-0.24	1.67	-0.10	-0.68
1972-73 SE OF DP		0.98	0.63	0.61	0.68	0.48	0.44	0.23	1.45	2.11	1.74	1.78	0.64	0.58	1.13	0.68	1.25	1.07	1.18	1.18	0.92	0.62
AGE: 17																						
1972-73 P-VALUE	3.08	2.97	3.53	2.10	4.03	3.21	2.96	2.96	3.03	4.92	3.21	3.49	3.28	3.10	0.81	2.32	4.94	2.14	3.24	1.86	4.93	3.15
1972-73 SE OF P-VAL	0.52	0.85	1.57	0.74	1.11	0.68	0.56	0.57	1.06	1.84	1.36	1.34	0.70	0.79	0.57	1.38	1.51	0.79	1.23	0.78	2.33	0.92
1972-73 DELTA-P		-0.11	0.45	-0.98	0.95	0.13	-0.12	-0.12	-0.05	1.84	0.13	0.41	0.20	0.02	-2.27#	-0.76	1.86	-0.94	0.16	-1.22	1.85	0.07
1972-73 SE OF DP		0.77	1.32	0.71	0.96	0.35	0.32	0.17	1.05	1.78	1.23	1.21	0.59	0.48	0.71	1.28	1.49	0.85	1.26	0.84	2.07	0.70

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201021-1234

72-73 Report #: UB176

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Biological science

Exercise Type: Multiple choice using drawings

Scoring Type: Machine

Administration Mode: Group

Age:	9	13	17IS	Adult
72-73 Package-Exercise:	05-05	04-07	05-22	05-12
72-73 National P-val:				
UB176	6.23	22.67	58.90	58.77
Timing: (in seconds)				
Stimulus:	18	18	17	21
Response:	31	31	31	*
I don't know:	5	5	5	*
Pause:	6	6	6	*
UB176 Exercise total:	60	60	59	*

*Time not limited by paced tape.

EXERCISE: 201021-1234 UB176

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.15	1.38	1.97	0.33	0.95	1.01	1.29	1.06	1.95	0.42	0.67	0.67	0.69	1.47	1.23	0.49	2.24	1.13	1.11	0.78	0.73	1.33
1972-73 SE OF P-VAL	0.29	0.57	0.87	0.19	0.45	0.33	0.38	0.28	0.81	0.44	0.68	0.49	0.33	0.54	0.42	0.40	1.15	0.80	0.73	0.66	0.56	0.57
1972-73 DELTA-P		0.23	0.82	-0.82#	-0.20	-0.14	0.14	-0.09	0.80	-0.73	-0.48	-0.48	-0.46	0.32	0.08	-0.66	1.09	-0.02	-0.04	-0.37	-0.42	0.18
1972-73 SE OF DP		0.50	0.69	0.31	0.42	0.21	0.21	0.13	0.66	0.49	0.69	0.58	0.36	0.37	0.27	0.47	1.07	0.74	0.69	0.65	0.55	0.43
AGE: 13																						
1972-73 P-VALUE	0.25	0.08	0.49	0.06	0.43	0.17	0.33	0.12	0.91	0.49	0.00	0.00	0.05	0.42	0.51	0.39	0.36	0.00	0.40	0.11	0.41	0.17
1972-73 SE OF P-VAL	0.08	0.08	0.26	0.06	0.19	0.11	0.13	0.05	0.48	0.52	0.00	0.00	0.04	0.18	0.31	0.29	0.38	0.00	0.40	0.12	0.28	0.10
1972-73 DELTA-P		-0.17	0.24	-0.19*	0.18	-0.08	0.08	-0.13	0.66	0.24	-0.25#	-0.25#	-0.20*	0.17	0.26	0.14	0.11	-0.25#	0.15	-0.14	0.16	-0.08
1972-73 SE OF DP		0.09	0.21	0.09	0.16	0.09	0.10	0.07	0.44	0.49	0.08	0.08	0.08	0.13	0.29	0.26	0.37	0.08	0.37	0.13	0.24	0.09
AGE: 17																						
1972-73 P-VALUE	0.55	1.25	0.32	0.43	0.11	0.51	0.59	0.31	1.81	1.18	0.99	0.75	0.25	0.59	0.95	0.00	2.06	0.82	0.98	0.00	0.52	0.30
1972-73 SE OF P-VAL	0.17	0.54	0.25	0.31	0.11	0.28	0.28	0.19	0.91	1.03	1.00	0.75	0.18	0.32	0.62	0.00	1.13	0.82	0.91	0.00	0.40	0.18
1972-73 DELTA-P		0.70	-0.23	-0.12	-0.44*	-0.04	0.04	-0.24	1.26	0.63	0.44	0.20	-0.30	0.04	0.40	-0.55#	1.51	0.27	0.43	-0.55#	-0.03	-0.25
1972-73 SE OF DP		0.42	0.26	0.26	0.19	0.24	0.20	0.14	0.86	1.00	1.01	0.67	0.21	0.22	0.63	0.17	1.06	0.76	0.46	0.17	0.38	0.16
AGE: A4																						
1972-73 P-VALUE	0.20	0.00	0.83	0.00	0.09	0.05	0.34	0.03	1.70	0.00	0.67	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.00	0.83	0.00	0.09	0.05	0.34	0.03	1.64	0.00	0.67	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.46
1972-73 DELTA-P		-0.20	0.63	-0.20	-0.11	-0.15	0.14	-0.17	1.50	-0.20	0.47	-0.20	-0.20	-0.11	-0.20	-0.20	-0.20	-0.20	0.07	-0.20	-0.20	0.26
1972-73 SE OF DP		0.18	0.66	0.18	0.19	0.18	0.17	0.18	1.67	0.18	0.49	0.18	0.18	0.19	0.18	0.18	0.18	0.18	0.31	0.18	0.18	0.28
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	6.23	6.12	6.69	7.99	4.13	6.33	6.13	5.44	9.36	7.94	4.43	9.12	7.38	5.81	5.87	7.06	6.11	6.72	7.19	7.79	4.83	5.62
1972-73 SE OF P-VAL	0.59	1.06	1.29	1.41	0.87	0.72	0.80	0.72	1.60	2.47	1.62	3.06	1.10	0.94	0.85	2.16	2.12	1.56	1.38	1.86	1.17	1.10
1972-73 DELTA-P		-0.11	0.46	1.76	-2.10#	0.10	-0.10	-0.79	3.13*	1.71	-1.80	2.89	1.15	-0.42	-0.36	0.83	-0.12	0.49	0.96	1.56	-1.40	-0.61
1972-73 SE OF DP		0.96	1.09	1.16	0.83	0.48	0.47	0.40	1.53	2.31	1.53	2.96	0.91	0.70	0.67	2.10	1.99	1.60	1.36	1.76	1.11	0.88
AGE: 13																						
1972-73 P-VALUE	22.67	21.07	20.09	27.89	20.69	25.79	19.34	25.94	10.55	10.72	13.83	16.78	24.98	26.72	16.66	20.93	14.33	24.06	21.15	22.87	23.62	25.33
1972-73 SE OF P-VAL	1.23	2.41	2.63	2.09	2.50	1.58	1.35	1.41	1.58	1.51	2.87	2.66	[illegible]	1.05	2.43	3.87	2.52	3.91	3.10	3.04	3.47	2.42
1972-73 DELTA-P		-1.60	-2.58	5.22#	-1.98	3.12#	-3.33#	3.27#	-12.12#	-11.95#	-8.84#	-5.89#	2.31	4.05#	-6.01#	-1.74	-8.34#	1.39	-1.52	0.20	0.95	2.66
1972-73 SE OF DP		2.07	2.36	1.83	2.12	0.79	0.82	0.49	1.96	1.70	2.57	2.69	[illegible]	1.22	2.35	3.64	2.75	3.71	3.00	2.83	3.10	1.96
AGE: 17																						
1972-73 P-VALUE	58.90	59.08	54.95	60.96	59.53	65.01	53.71	65.85	24.59	35.37	39.69	45.67	59.53	66.86	39.77	66.07	41.76	61.87	49.41	64.52	58.05	60.75
1972-73 SE OF P-VAL	1.86	2.07	4.68	3.74	4.39	2.32	2.01	1.58	2.65	6.57	5.62	3.77	2.79	1.73	6.02	5.25	6.01	3.87	5.81	3.96	3.21	3.32
1972-73 DELTA-P		0.18	-3.95	2.06	0.63	6.11#	-5.19#	6.95#	-34.31#	-23.53#	-19.21#	-13.23#	0.63	7.96#	-19.13#	7.17	-17.14#	2.97	-9.49	5.62	-0.85	1.85
1972-73 SE OF DP		2.33	4.08	3.05	3.68	1.18	1.02	1.19	2.70	6.03	4.83	3.10	1.75	1.65	5.68	4.98	5.49	3.83	5.64	4.00	3.02	2.42
AGE: A4																						
1972-73 P-VALUE	58.77	56.56	53.63	61.43	62.33	64.90	53.07	64.81	27.71	31.66	42.30	51.61	65.63	73.85	38.79	55.95	36.12	65.41	62.52	55.85	62.19	61.56
1972-73 SE OF P-VAL	1.58	2.67	3.78	3.09	3.15	2.02	1.90	1.42	3.89	5.89	2.31	2.92	2.55	2.58	7.91	5.07	4.92	4.16	4.64	3.21	5.44	2.58
1972-73 DELTA-P		-2.21	-5.14	2.66	3.56	6.13#	-5.70#	6.04#	-31.06#	-27.11#	-16.47#	-7.16#	6.86#	15.08#	-19.98#	-2.82	-22.65#	6.64	3.75	-2.92	3.42	2.79
1972-73 SE-OF DP		2.45	3.28	2.60	2.69	1.27	1.10	0.82	3.78	5.53	2.00	2.72	2.23	1.95	7.59	4.65	4.93	3.95	4.40	3.09	4.99	2.07
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.83	8.58	7.70	4.80	6.36	4.92	8.73	6.89	6.30	7.31	6.87	7.49	4.97	4.02	10.07	5.84	7.00	8.56	8.47	5.46	4.88	6.83
1972-73 SE OF P-VAL	0.72	1.24	1.28	0.98	1.98	0.77	1.10	0.81	1.21	2.06	3.12	2.05	1.00	0.90	1.18	1.05	1.22	3.25	1.58	1.98	1.12	1.29
1972-73 DELTA-P		1.75	0.87	-2.03*	-0.47	-1.91#	1.90#	0.06	-0.53	0.48	0.04	0.66	-1.86*	-2.81#	3.24#	-0.99	0.17	1.73	1.64	-1.37	-1.95	0.00
1972-73 SE OF DP		1.15	1.15	0.99	1.56	0.64	0.63	0.26	1.17	1.09	3.03	2.76	0.90	0.77	0.75	1.00	1.23	2.86	1.54	2.00	1.17	1.07
AGE: 13																						
1972-73 P-VALUE	5.05	4.99	3.21	6.88	4.63	5.06	5.03	5.04	4.79	5.87	4.93	4.09	3.96	4.96	7.95	3.76	5.74	7.51	6.42	7.26	4.42	3.48
1972-73 SE OF P-VAL	0.89	1.07	0.70	1.02	1.02	0.72	0.68	0.54	1.25	1.22	1.64	1.22	0.86	0.72	1.62	1.30	1.05	2.31	1.07	1.60	1.16	0.86
1972-73 DELTA-P		-0.06	-1.84#	1.83*	-0.42	0.01	-0.02	-0.01	-0.26	0.82	-0.12	-0.96	-1.09	-0.09	2.90	-1.29	0.69	2.46	1.37	2.21	-0.63	-1.57*
1972-73 SE OF DP		0.90	0.73	0.84	0.87	0.48	0.51	0.21	1.13	1.17	1.58	1.16	0.69	0.60	1.48	1.21	1.04	2.26	1.40	1.42	1.14	0.71

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201021-1234 08176

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIA.

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CITY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	5.92	7.16	3.33	5.76	6.93	5.25	6.49	5.37	7.05	11.11	6.09	4.94	6.12	5.15	11.23	5.45	7.54	9.69	7.90	4.39	3.96	5.04
1972-73 SE OF P-VAL	0.64	1.38	1.04	1.33	1.12	0.99	0.75	0.69	1.75	2.46	2.13	1.53	0.97	0.86	2.88	1.44	1.80	2.30	2.66	1.79	1.25	0.98
1972-73 DELTA-P		1.24	-2.59@	-0.16	1.01	-0.67	0.57	-0.55	1.13	5.19*	0.17	-0.98	0.20	-0.77	5.31	-0.47	1.62	3.77	1.98	-1.53	-1.96	-0.88
1972-73 SE OF DP		1.13	1.02	1.07	1.04	0.64	0.53	0.29	1.56	2.44	2.04	1.89	0.85	0.54	2.67	1.45	1.65	2.08	2.57	1.71	1.20	0.77

AGE: A4

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CITY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	4.20	4.06	6.11	3.83	3.14	3.40	4.94	3.89	6.21	4.89	5.57	4.32	2.93	3.42	12.34	3.80	4.97	4.96	4.33	5.89	4.40	3.27
1972-73 SE OF P-VAL	0.48	0.56	1.27	1.03	0.87	0.65	0.76	0.54	1.78	1.84	0.89	1.36	0.90	1.20	4.15	2.16	1.77	1.93	1.52	1.58	1.98	0.66
1972-73 DELTA-P		-0.14	1.91	-0.37	-1.06	-0.80	0.74	-0.31	2.01	0.69	1.37	0.12	-1.27	-0.78	8.14	-0.40	0.77	0.76	0.13	1.69	0.20	-0.93
1972-73 SE OF DP		0.62	1.07	0.84	0.77	0.54	0.50	0.24	1.75	1.73	0.78	1.25	0.80	1.08	4.11	2.06	1.69	1.84	1.49	1.44	1.81	0.66

* The absolute value of this number is greater than 2.0 times its standard error.
@ The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201023-23

72-73 Report #: UP177

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Apparatus needed
Scoring Type: Professional
Administration Mode: Individual

Age:	13	17IS
72-73 Package-Exercise:	10-09	13-04
72-73 National P-val:		
UP177A	70.54	80.63
UP177B	63.15	76.83
UP177C	.45	1.14
UP177D	53.98	53.51
UP177E	46.61	46.34
UP177F	8.36	7.66

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 201023-23 UP177

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part A.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.18	0.13	0.66	0.00	0.00	0.06	0.30	0.09	0.63	0.47	0.00	0.54	0.02	0.07	1.04	0.22	0.51	0.00	0.73	0.00	0.00	0.13
1972-73 SE OF P-VAL	0.10	0.10	0.42	0.00	0.00	0.06	0.15	0.06	0.48	0.37	0.00	0.39	0.02	0.07	0.56	0.22	0.39	0.00	0.72	0.00	0.00	0.13
1972-73 DELTA-P		-0.05	0.48	-0.18	-0.18	-0.12	0.12	-0.09	0.45	0.29	-0.18	0.36	-0.16	-0.11	0.86	0.04	0.33	-0.18	0.55	-0.18	-0.18	-0.05
1972-73 SE OF DP		0.12	0.33	0.10	0.10	0.06	0.06	0.06	0.39	0.36	0.10	0.31	0.10	0.06	0.48	0.22	0.37	0.10	0.64	0.10	0.10	0.12

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.11	0.43	0.00	0.00	0.00	0.17	0.05	0.10	0.25	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.25
1972-73 SE OF P-VAL	0.09	0.34	0.00	0.00	0.00	0.17	0.06	0.10	0.26	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.25
1972-73 DELTA-P		0.32	-0.11	-0.11	-0.11	0.06	-0.06	-0.01	0.14	-0.11	-0.11	-0.11	-0.11	0.13	-0.11	-0.11	-0.11	-0.11	-0.11	0.08	-0.11	0.14
1972-73 SE OF DP		0.25	0.09	0.09	0.09	0.09	0.09	0.03	0.24	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.18	0.09	0.16

RESPONSE: 11* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	70.54	70.47	63.81	72.96	73.85	75.58	65.58	73.99	50.66	65.76	55.91	69.15	67.39	78.78	60.42	70.95	58.52	75.79	69.51	76.05	68.79	69.60
1972-73 SE OF P-VAL	1.16	2.07	2.55	2.36	2.19	1.52	1.71	1.18	3.06	2.96	4.47	3.55	2.08	1.77	3.67	2.87	4.73	2.44	3.81	2.81	3.47	2.27
1972-73 DELTA-P		-0.07	-6.73#	2.42	3.31	5.04#	-4.96#	3.45#	-19.88#	-4.78	-14.63#	-1.39	-3.15	8.24#	-10.12#	0.41	-12.02#	5.25*	-1.03	5.51*	-1.75	-0.94
1972-73 SE OF DP		1.87	2.20	1.93	1.96	1.11	1.13	0.59	2.63	2.90	4.30	3.32	1.80	1.50	3.49	2.72	4.50	2.39	3.73	2.75	3.16	1.89

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	80.63	77.80	77.37	82.79	83.95	85.18	76.30	83.55	59.87	78.50	72.45	67.24	79.30	86.82	65.40	78.07	65.41	86.89	75.10	85.91	81.86	[illegible]
1972-73 SE OF P-VAL	1.07	2.16	2.10	2.23	2.16	1.27	1.46	1.01	3.31	4.01	4.49	3.84	1.81	1.18	8.36	2.46	3.05	3.02	4.83	2.25	3.06	1.47
1972-73 DELTA-P		-2.83	-3.26	2.16	3.32	4.55#	-4.33#	2.92#	-20.76#	-2.13	-8.18	-13.39#	-1.33	6.19#	-15.23	-2.56	-15.22#	6.26*	-5.53	5.28*	1.23	1.14
1972-73 SE OF DP		1.86	1.96	1.80	1.90	0.87	0.86	0.44	3.00	3.84	4.27	3.58	1.42	1.11	8.03	2.39	2.94	2.93	4.43	2.22	2.86	1.25

RESPONSE: 19 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.43	0.30	0.65	0.68	0.08	0.54	0.32	0.48	0.13	0.37	0.42	0.14	0.51	0.31	0.98	0.15	0.40	0.00	0.00	0.00	0.36	1.05
1972-73 SE OF P-VAL	0.07	0.18	0.23	0.06	0.09	0.11	0.14	0.08	0.13	0.38	0.43	0.14	0.23	0.26	0.99	0.15	0.41	0.00	0.00	0.00	0.35	0.18
1972-73 DELTA-P		-0.13	0.22	0.25#	-0.35#	0.11	-0.11	0.05	-0.30*	-0.06	-0.01	-0.29*	0.08	-0.12	0.55	-0.28	-0.03	-0.43#	-0.43#	-0.43#	-0.07	0.62#
1972-73 SE OF DP		0.15	0.19	0.09	0.09	0.10	0.10	0.04	0.14	0.36	0.44	0.13	0.17	0.25	1.01	0.15	0.39	0.07	[illegible]	0.07	0.31	0.15

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.19	0.51	0.34	0.26	0.45	0.04	0.72	0.47	0.00	0.00	0.00	0.00	0.18	0.70	0.00	0.94	0.00	0.00	0.00	0.70	0.94	0.26
1972-73 SE OF P-VAL	0.15	0.40	0.28	0.25	0.24	0.03	0.30	0.18	0.00	0.00	0.00	0.00	0.11	0.32	0.00	0.91	0.00	0.00	0.00	0.67	0.56	0.15
1972-73 DELTA-P		0.12	-0.05	-0.13	0.06	-0.35*	0.33*	0.08#	-0.39#	-0.39#	-0.39#	-0.39#	-0.21	0.31	-0.39#	0.55	-0.39#	-0.39#	-0.39#	0.31	0.55	-0.13
1972-73 SE OF DP		0.32	0.26	0.23	0.23	0.16	0.15	0.03	0.15	0.15	0.15	0.15	0.18	0.18	0.15	0.85	0.15	0.15	0.15	0.56	0.51	0.17

EXERCISE: 201023-23 UP177

Part B.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.12	0.26	0.09	0.08	0.05	0.03	0.21	0.10	0.29	0.00	0.00	0.26	0.15	0.06	0.22	0.00	0.00	0.00	0.00	0.08	0.00	0.33
1972-73 SE OF P-VAL	0.06	0.21	0.09	0.08	0.05	0.03	0.12	0.07	0.22	0.00	0.00	0.19	0.15	0.06	0.22	0.00	0.00	0.00	0.00	0.09	0.00	0.19
1972-73 DELTA-P		0.14	-0.03	-0.04	-0.07	-0.09	0.09	-0.02	0.17	-0.12	-0.12	0.14	0.03	-0.06	0.10	-0.12	-0.12	-0.12	-0.12	-0.04	-0.12	0.21
1972-73 SE OF DP		0.16	0.09	0.08	0.07	0.06	0.06	0.03	0.20	0.06	0.06	0.18	0.11	0.07	0.21	0.06	0.06	0.06	0.06	0.10	0.06	0.13

AGE: 17

Response did not occur at this age.

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	63.15	60.40	57.25	66.90	66.84	70.29	56.13	67.82	37.12	55.06	45.74	60.50	59.83	73.46	48.38	64.64	47.74	68.87	59.31	65.70	63.52	63.75
1972-73 SE OF P-VAL	1.17	2.26	2.48	2.59	1.81	1.66	1.68	1.18	3.20	2.94	4.14	3.33	2.22	1.99	3.81	3.12	5.00	2.84	3.98	2.81	3.78	1.98
1972-73 DELTA-P		-2.75	-5.90#	3.75	3.69*	7.14#	-7.02#	4.67#	-26.03#	-8.09#	-17.41#	-2.65	-3.32	10.31#	-14.77#	1.49	-15.41#	5.72*	-3.84	2.55	0.37	0.60
1972-73 SE OF DP		2.01	2.17	2.06	1.76	1.17	1.22	0.67	2.86	2.95	3.88	3.20	1.99	1.62	3.79	2.94	4.70	2.65	3.85	2.88	3.39	1.68

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201023-23 UP177

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part B.

RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	76.83	73.77	72.85	79.85	80.00	82.22	71.70	80.35	51.98	73.87	69.84	60.56	74.18	84.47	60.29	75.68	55.23	84.39	69.00	81.45	80.62	78.84
1972-73 SE OF P-VAL	1.25	2.73	1.93	2.71	2.23	1.41	1.72	1.23	3.73	4.03	4.22	3.69	2.11	1.27	8.29	3.12	3.17	2.75	5.61	2.95	3.04	1.82
1972-73 DELTA-P		-3.06	-3.98*	3.02	3.17	5.39#	-5.13#	3.52#	-24.85#	-2.96	-6.99	-16.27#	-2.65	7.64#	-16.54*	-1.15	-21.60#	7.56#	-7.8[illegible]	4.62	3.79	2.[illegible]
1972-73 SE OF DP		2.27	1.94	2.16	2.04	0.97	0.98	0.48	3.47	3.99	4.03	3.44	1.52	1.09	7.97	3.05	3.17	2.75	5.20	2.79	2.86	1.49

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.87	2.47	1.24	1.54	2.22	0.94	2.79	1.78	1.86	2.91	3.18	1.91	1.84	1.07	4.25	2.44	1.81	1.07	2.17	3.69	1.14	1.39
1972-73 SE OF P-VAL	0.27	0.65	0.46	0.44	0.61	0.33	0.54	0.29	0.88	1.40	1.63	1.00	0.52	0.30	1.55	1.09	1.03	0.80	0.71	1.17	0.58	0.44
1972-73 DELTA-P		0.60	-0.63	-0.33	0.35	-0.93#	0.92#	-0.09	-0.03	1.04	1.31	0.04	-0.03	-0.80*	2.38	0.57	-0.06	-0.80	0.30	1.82	-0.73	-0.48
1972-73 SE OF DP		0.54	0.44	0.40	0.52	0.36	0.35	0.16	0.82	1.34	1.54	0.47	0.41	0.34	1.86	1.00	1.01	0.76	0.72	1.09	0.57	0.38

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.89	1.24	1.14	0.53	0.71	0.81	0.97	0.95	0.88	0.00	0.23	2.17	0.85	0.50	3.52	0.28	2.09	0.33	1.08	1.39	0.00	0.97
1972-73 SE OF P-VAL	0.26	0.80	0.35	0.37	0.35	0.32	0.33	0.31	0.28	0.00	0.24	1.13	0.37	0.25	2.47	0.27	1.04	0.33	0.60	1.34	0.00	0.40
1972-73 DELTA-P		0.35	0.25	-0.36	-0.18	-0.08	0.08	0.06	-0.01	-0.89#	-0.66	1.28	-0.04	-0.39	2.63	-0.61	1.20	-0.56	0.19	0.50	-0.89#	0.08
1972-73 SE OF DP		0.61	0.38	0.36	0.36	0.20	0.19	0.06	0.36	0.26	0.34	1.06	0.25	0.29	2.27	0.37	0.98	0.40	0.60	1.15	0.26	0.38

EXERCISE: 201023-23 UP177

Part C.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.30	0.26	0.64	0.22	0.12	0.18	0.42	0.22	0.60	0.65	0.00	0.29	0.30	0.14	1.25	0.18	0.71	0.00	0.71	0.00	0.00	0.48
1972-73 SE OF P-VAL	0.12	0.12	0.42	0.22	0.13	0.10	0.20	0.11	0.46	0.37	0.00	0.30	0.21	0.10	0.58	0.19	0.38	0.00	0.71	0.00	0.00	0.27
1972-73 DELTA-P		-0.04	0.34	-0.08	-0.18	-0.12	0.12	-0.08	0.30	0.35	-0.30#	-0.01	0.00	-0.16	0.95	-0.12	0.41	-0.30#	0.41	-0.30#	-0.30#	0.18
1972-73 SE OF DP		0.15	0.33	0.19	0.15	0.10	0.09	0.06	0.39	0.36	0.12	0.24	0.18	0.10	0.51	0.21	0.38	0.12	0.64	0.12	0.12	0.21

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.20	0.00	0.68	0.00	0.25	0.12	0.27	0.24	0.00	0.00	0.00	0.45	0.48	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.46	0.28
1972-73 SE OF P-VAL	0.12	0.00	0.50	0.00	0.25	0.12	0.20	0.14	0.00	0.00	0.00	0.45	0.34	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.46	0.28
1972-73 DELTA-P		-0.20	0.48	-0.20	0.05	-0.08	0.07	0.04*	-0.20	-0.20	-0.20	0.25	0.28	-0.20	-0.20	0.36	-0.20	-0.20	-0.20	-0.20	0.26	0.08
1972-73 SE OF DP		0.12	0.40	0.12	0.22	0.12	0.12	0.02	0.12	0.12	0.12	0.42	0.24	0.12	0.12	0.54	0.12	0.12	0.12	0.12	0.41	0.19

RESPONSE: 07* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.45	0.28	0.10	0.81	0.50	0.13	0.76	0.40	0.77	0.46	1.16	0.00	0.27	0.51	0.67	0.58	0.57	0.41	0.28	0.00	0.93	0.45
1972-73 SE OF P-VAL	0.16	0.18	0.10	0.47	0.26	0.10	0.30	0.18	0.42	0.43	0.70	0.00	0.18	0.31	0.48	0.41	0.47	0.42	0.28	0.00	0.46	0.36
1972-73 DELTA-P		-0.17	-0.35*	0.36	0.05	-0.32*	0.31	-0.05	0.32	0.01	0.71	-0.45#	-0.18	0.06	0.22	0.13	0.12	-0.04	-0.17	-0.45#	0.48	0.00
1972-73 SE OF DP		0.20	0.17	0.34	0.24	0.16	0.16	0.07	0.40	0.43	0.66	0.16	0.19	0.21	0.46	0.39	0.47	0.40	0.29	0.16	0.41	0.26

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.14	1.01	2.06	1.11	0.52	1.15	1.14	1.18	1.45	0.00	2.40	1.26	1.03	1.06	0.75	1.79	0.57	0.62	0.70	0.50	1.77	1.49
1972-73 SE OF P-VAL	0.30	0.47	1.12	0.46	0.27	0.46	0.32	0.36	0.72	0.00	1.16	1.03	0.43	0.39	0.78	1.13	0.42	0.60	0.70	0.47	0.76	0.61
1972-73 DELTA-P		-0.13	0.92	-0.03	-0.62	0.01	0.00	0.04	0.31	-1.14#	1.26	0.12	-0.11	-0.08	-0.39	0.65	-0.57	-0.52	-0.44	-0.64	0.63	0.35
1972-73 SE OF DP		0.44	0.91	0.43	0.36	0.26	0.25	0.10	0.72	0.30	1.04	0.91	0.36	0.27	0.76	0.99	0.50	0.59	0.72	0.50	0.71	0.41

RESPONSE: 39 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.73	0.73	0.82	0.79	0.58	0.41	1.05	0.75	0.35	1.20	0.00	0.14	1.19	0.74	0.25	0.95	0.62	0.51	1.02	1.30	0.56	0.46
1972-73 SE OF P-VAL	0.22	0.41	0.39	0.51	0.37	0.23	0.33	0.25	0.25	1.02	0.00	0.14	0.44	0.32	0.25	0.79	0.46	0.50	1.00	0.79	0.40	0.26
1972-73 DELTA-P		0.00	0.09	0.06	-0.15	-0.32	0.32	0.02	-0.38	0.47	-0.73#	-0.59*	0.46	0.01	-0.48	0.22	-0.11	-0.22	0.29	0.57	-0.17	-0.25
1972-73 SE OF DP		0.37	0.37	0.39	0.34	0.19	0.18	0.09	0.31	0.97	0.22	0.25	0.29	0.22	0.29	0.73	0.48	0.48	0.91	0.71	0.40	0.26

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.33	0.68	0.00	0.00	0.62	0.24	0.42	0.32	0.25	0.58	0.00	0.00	0.00	0.63	0.74	0.00	0.34	0.00	0.00	1.44	0.19	0.17
1972-73 SE OF P-VAL	0.16	0.52	0.00	0.00	0.32	0.14	0.29	0.16	0.25	0.59	0.00	0.00	0.00	0.33	0.74	0.00	0.35	0.00	0.00	0.91	0.19	0.17
1972-73 DELTA-P		0.35	-0.33*	-0.33*	0.29	-0.09	0.09	-0.01	-0.08	0.25	-0.33*	-0.33*	-0.33*	0.30	0.41	-0.33*	0.01	-0.33*	-0.33*	1.11	-0.14	-0.16
1972-73 SE OF DP		0.39	0.16	0.16	0.28	0.16	0.16	0.04	0.16	0.58	0.16	0.16	0.16	0.18	0.72	0.16	0.35	0.16	0.16	0.77	0.23	0.18

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

EXERCISE: 201023-23 UP177

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part D.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.18	0.16	0.63	0.00	0.00	0.08	0.28	0.08	0.57	0.58	0.00	0.10	0.09	0.07	1.04	0.15	0.63	0.00	0.73	0.00	0.00	0.13
1972-73 SE OF P-VAL	0.10	0.10	0.41	0.00	0.00	0.06	0.15	0.06	0.45	0.36	0.00	0.30	0.06	0.07	0.55	0.15	0.37	0.00	0.71	0.00	0.00	0.13
1972-73 DELTA-P		-0.02	0.45	-0.18	-0.18	-0.10	0.10	-0.10	0.39	0.40	-0.18	0.12	-0.09	-0.11*	0.86	-0.03	0.45	-0.18	0.55	-0.18	-0.18	-0.05
1972-73 SE OF DP		0.12	0.32	0.10	0.10	0.06	0.06	0.06	0.37	0.35	0.10	0.22	0.11	0.05	0.48	0.17	0.36	0.10	0.63	0.10	0.10	0.12

AGE: 17

Response did not occur at this age.

RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	53.98	56.55	43.71	58.12	55.90	52.57	55.39	56.17	42.12	50.23	48.71	53.45	55.27	54.98	50.28	53.31	40.78	55.98	55.63	56.19	54.98	54.22
1972-73 SE OF P-VAL	1.44	2.75	3.17	2.86	2.57	2.02	1.78	1.45	3.74	6.03	5.90	3.76	2.16	1.87	3.74	2.83	6.13	3.81	4.22	4.30	3.49	2.68
1972-73 DELTA-P		2.57	-10.27#	4.14	1.92	-1.41	1.41	2.19#	-11.86#	-3.75	-5.27	-0.53	1.29	1.00	-3.70	-0.67	-13.20*	2.00	1.65	2.21	0.90	0.24
1972-73 SE OF DP		2.41	2.76	2.18	2.32	1.26	1.25	0.65	3.38	5.68	5.48	3.15	1.60	1.54	3.59	2.70	5.73	3.83	3.81	3.79	3.46	2.24

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	53.51	50.31	49.55	59.43	53.37	54.47	52.61	55.05	43.86	49.91	45.25	54.34	54.20	55.46	37.83	58.21	51.90	51.07	51.39	52.51	54.61	54.30
1972-73 SE OF P-VAL	1.51	3.71	2.86	2.52	3.07	2.32	2.03	1.71	2.74	6.11	5.65	3.96	2.37	2.04	7.32	4.88	4.37	4.02	5.49	3.14	2.73	3.41
1972-73 DELTA-P		-3.20	-3.96	5.92#	-0.14	0.96	-0.90	1.54#	-9.65#	-3.60	-8.26	0.83	0.69	1.95	-15.68*	4.70	-1.61	-2.44	-2.12	-1.00	1.10	0.79
1972-73 SE OF DP		3.01	2.67	2.25	2.68	1.60	1.52	0.50	2.99	5.79	5.38	3.73	1.94	1.39	6.99	4.67	4.66	3.84	5.28	3.07	2.79	2.43

RESPONSE: 19 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.70	0.69	1.35	0.65	0.18	0.89	0.51	0.55	1.70	0.58	0.27	0.15	0.62	0.36	3.36	0.39	0.29	0.52	1.71	0.00	0.46	1.00
1972-73 SE OF P-VAL	0.25	0.37	0.85	0.41	0.13	0.34	0.27	0.20	1.01	0.45	0.28	0.14	0.31	0.22	1.78	0.26	0.29	0.51	1.66	0.00	0.43	0.40
1972-73 DELTA-P		-0.01	0.65	-0.05	-0.52*	0.19	-0.19	-0.15	1.00	-0.12	-0.43	-0.55*	-0.08	-0.34	2.66	-0.31	-0.41	-0.18	1.01	-0.70#	-0.24	0.30
1972-73 SE OF DP		0.36	0.68	0.36	0.26	0.18	0.18	0.12	0.83	0.48	0.35	0.27	0.24	0.26	1.58	0.34	0.37	0.50	1.48	0.25	0.45	0.35

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.53	1.44	0.23	0.00	0.42	0.05	0.98	0.41	1.42	0.49	0.96	0.54	0.28	0.54	1.62	0.00	0.50	0.00	1.50	1.71	0.58	0.08
1972-73 SE OF P-VAL	0.37	0.57	0.18	0.00	0.26	0.05	0.33	0.16	0.67	0.49	0.69	0.38	0.18	0.33	1.25	0.00	0.35	0.00	0.96	0.81	0.43	0.08
1972-73 DELTA-P		0.91*	-0.30	-0.53#	-0.11	-0.48#	0.45#	-0.12	0.89	-0.04	0.43	0.01	-0.25	0.01	1.09	-0.53#	-0.03	-0.53#	0.97	1.18	0.05	-0.45#
1972-73 SE OF DP		0.43	0.22	0.17	0.25	0.17	0.16	0.08	0.56	0.49	0.67	0.37	0.23	0.22	1.19	0.17	0.36	0.17	0.89	0.69	0.41	0.18

EXERCISE: 201023-23 UP177

Part E.

RESPONSE: 00 AGE: 13 TEXT: No Response.

Response did not occur at this age.

AGE: 17

Response did not occur at this age.

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	46.61	50.35	38.13	50.37	46.17	45.39	47.82	48.80	35.32	41.78	37.08	47.63	48.82	48.18	39.38	42.98	36.64	49.22	46.03	47.98	48.12	47.85
1972-73 SE OF P-VAL	1.39	2.55	3.12	2.71	2.54	2.15	1.70	1.45	3.14	5.43	4.86	3.66	2.04	1.75	3.26	3.40	6.04	3.70	3.83	3.82	2.83	2.55
1972-73 DELTA-P		3.74	-8.48#	3.76	-0.44	-1.22	1.21	2.19#	-11.29#	[illegible]	-9.53*	1.02	2.21	1.57	-7.23*	-3.63	-9.97	2.61	-0.58	1.37	1.51	1.24
1972-73 SE OF DP		2.25	2.69	2.27	2.29	1.36	1.35	0.57	2.80	[illegible]	4.40	3.00	1.54	1.42	3.16	3.05	5.63	3.72	3.53	3.39	2.93	2.04

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	46.34	41.68	43.96	53.06	45.51	47.37	45.37	47.47	38.20	45.88	39.87	47.63	46.46	47.91	35.24	50.42	42.93	46.08	47.86	44.67	47.83	46.26
1972-73 SE OF P-VAL	1.40	3.32	2.94	2.46	2.80	2.09	1.99	1.59	2.69	6.07	5.40	4.27	2.49	2.04	7.25	4.91	4.07	3.88	5.92	3.36	2.93	2.81
1972-73 DELTA-P		-4.66	-2.38	6.72#	-0.83	1.03	-0.97	1.13*	-8.14#	-0.46	-6.47	1.29	0.12	1.57	-11.10	4.08	-3.41	-0.26	1.52	-1.67	1.49	-0.08
1972-73 SE OF DP		2.76	2.66	2.14	2.46	1.52	1.44	0.49	2.83	5.82	5.14	4.08	2.15	1.49	6.95	4.53	4.44	3.83	5.63	3.27	2.71	1.95

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201023-23 UP177

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part E.

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.19	0.33	0.08	0.32	0.00	0.05	0.33	0.24	0.00	0.00	0.00	0.00	0.19	0.09	0.97	0.00	0.00	0.69	0.00	0.00	0.13	0.28
1972-73 SE OF P-VAL	0.09	0.23	0.08	0.25	0.00	0.05	0.18	0.12	0.00	0.00	0.00	0.00	0.14	0.09	0.77	0.00	0.00	0.50	0.00	0.00	0.13	0.22
1972-73 DELTA-P		0.14	-0.11	0.13	-0.19*	-0.14	0.14	0.05#	-0.19*	-0.19*	-0.19*	-0.19*	0.00	-0.10	0.78	-0.19*	-0.19*	0.50	-0.19*	-0.19*	-0.06	0.09
1972-73 SE OF DP		0.19	0.11	0.19	0.09	0.09	0.09	0.02	0.09	0.09	0.09	0.09	0.12	0.10	0.70	0.09	0.09	0.45	0.09	0.09	0.14	0.16
AGE: 17																						
1972-73 P-VALUE	0.39	1.34	0.18	0.00	0.00	0.00	0.76	0.47	0.00	0.00	0.00	0.00	0.15	0.73	0.00	0.47	0.00	1.54	0.00	1.10	0.00	0.00
1972-73 SE OF P-VAL	0.16	0.59	0.18	0.00	0.00	0.00	0.31	0.19	0.00	0.00	0.00	0.00	0.15	0.40	0.00	0.47	0.00	1.06	0.00	0.45	0.00	0.00
1972-73 DELTA-P		0.95*	-0.21	-0.39*	-0.39*	-0.39*	0.37*	0.08#	-0.39*	-0.39*	-0.39*	-0.39*	-0.24	0.34	-0.39*	0.08	-0.39*	1.15	-0.39*	0.71	-0.39*	-0.39*
1972-73 SE OF DP		0.44	0.21	0.16	0.16	0.16	0.15	0.03	0.16	0.16	0.16	0.16	0.26	0.24	0.16	0.46	0.16	0.90	0.16	0.41	0.16	0.16

EXERCISE: 201023-23 UP177

Part F.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.65	0.00	0.35	1.00	1.17	0.42	0.88	0.57	0.19	2.38	1.89	0.82	0.21	0.48	1.68	1.92	0.00	0.00	0.00	0.85	0.26	0.90
1972-73 SE OF P-VAL	0.19	0.00	0.34	0.29	0.60	0.21	0.34	0.17	0.19	1.61	1.53	0.80	0.20	0.24	0.99	1.31	0.00	0.00	0.00	0.60	0.26	0.41
1972-73 DELTA-P		-0.65#	-0.30	0.35	0.52	-0.23	0.23	-0.08	-0.46*	1.73	1.24	0.17	-0.44*	-0.17	1.03	1.27	-0.65#	-0.65#	-0.65#	0.20	-0.39	0.25
1972-73 SE OF DP		0.19	0.32	0.27	0.47	0.21	0.21	0.13	0.23	1.50	1.41	0.82	0.22	0.27	0.90	1.22	0.19	0.19	0.19	0.55	0.29	0.36
AGE: 17																						
1972-73 P-VALUE	0.13	0.00	0.23	0.04	0.29	0.15	0.11	0.13	0.00	0.33	0.00	0.00	0.20	0.14	0.00	0.00	0.12	0.42	0.00	[illegible]	0.00	0.19
1972-73 SE OF P-VAL	0.07	0.00	0.22	0.04	0.23	0.11	0.09	0.08	0.00	0.34	0.00	0.00	0.15	0.11	0.00	0.00	0.12	0.41	0.00	0.00	0.00	0.14
1972-73 DELTA-P		-0.13	0.10	-0.09	0.16	0.02	-0.02	0.00	-0.13	0.20	-0.13	-0.13	0.07	0.01	-0.13	-0.13	-0.01	0.29	-0.13	-0.13	-0.13	0.06
1972-73 SE OF DP		0.07	0.18	0.08	0.18	0.07	0.07	0.02	0.07	0.32	0.07	0.07	0.12	0.08	0.07	0.07	0.13	0.38	0.07	0.07	0.07	0.11

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.36	8.88	7.23	8.46	8.75	9.31	7.42	9.43	3.24	5.36	5.96	5.89	8.78	9.93	4.72	8.34	2.15	9.99	8.33	10.77	6.97	8.57
1972-73 SE OF P-VAL	0.60	1.48	0.62	0.93	1.50	0.83	0.90	0.72	0.89	2.08	1.85	1.47	1.14	1.09	1.12	1.38	0.95	2.03	1.95	2.46	1.49	1.15
1972-73 DELTA-P		0.52	-1.13	0.10	0.39	0.95	-0.94	1.07#	-5.12#	-3.00	-2.40	-2.47	0.42	1.57	-3.64#	-0.02	-6.21#	1.63	-0.03	2.41	-1.39	0.21
1972-73 SE OF DP		1.21	0.75	0.85	1.23	0.63	0.63	0.25	1.01	2.06	1.69	1.44	0.99	0.81	1.26	1.42	1.18	1.95	1.76	2.14	1.49	1.02
AGE: 17																						
1972-73 P-VALUE	7.66	6.96	8.26	8.56	6.85	9.13	6.27	8.35	3.98	4.69	2.49	6.68	8.26	8.70	1.87	11.54	4.09	6.44	4.29	6.96	7.62	9.34
1972-73 SE OF P-VAL	0.80	2.04	1.76	1.33	1.21	1.25	0.92	0.90	1.51	1.62	1.19	1.78	1.56	1.15	1.13	3.06	1.50	2.19	1.55	1.58	1.46	1.61
1972-73 DELTA-P		-0.70	0.60	0.90	-0.81	1.47	-1.39	0.69#	-3.68#	-2.97	-5.17#	-0.98	0.60	1.04	-5.79#	3.88	-3.57*	-1.22	-3.37*	-0.70	-0.04	1.68
1972-73 SE OF DP		1.63	1.57	1.18	1.18	0.77	0.71	0.22	1.44	1.80	1.37	1.54	1.22	0.83	1.34	2.92	1.62	2.02	1.46	1.54	1.46	1.16

RESPONSE: 03 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.53	1.33	1.28	1.36	2.16	1.70	1.86	1.34	0.45	5.66	2.51	1.82	1.44	1.12	2.45	1.62	1.07	1.81	1.08	1.76	1.73	1.47
1972-73 SE OF P-VAL	0.33	0.68	0.76	0.55	0.69	0.45	0.54	0.36	0.27	2.44	1.55	1.08	0.52	0.41	1.04	0.93	0.77	0.99	0.76	0.74	0.92	0.58
1972-73 DELTA-P		-0.26	-0.25	-0.17	0.63	-0.33	0.33	-0.19	-1.08#	4.13	0.98	0.29	-0.09	-0.41	0.92	0.09	-0.46	0.28	-0.45	0.23	0.20	-0.06
1972-73 SE OF DP		0.59	0.66	0.49	0.59	0.37	0.36	0.21	0.39	2.31	1.39	1.00	0.44	0.36	0.95	0.89	0.81	0.91	0.75	0.68	0.79	0.43
AGE: 17																						
1972-73 P-VALUE	1.65	2.19	2.00	0.68	1.92	1.21	2.06	1.68	1.06	2.41	0.94	1.86	1.70	1.22	6.50	2.59	0.62	2.30	0.66	2.86	1.09	1.40
1972-73 SE OF P-VAL	0.38	1.17	0.86	0.33	0.43	0.36	0.68	0.46	0.68	1.74	0.58	1.29	0.67	0.42	3.80	1.27	0.46	1.48	0.63	1.63	0.64	0.55
1972-73 DELTA-P		0.54	0.35	-0.97*	0.27	-0.44	0.41	0.03	-0.59	0.76	-0.71	0.21	0.05	-0.43	4.85	0.94	-1.03	0.65	-0.99	1.21	-0.56	-0.25
1972-73 SE OF DP		0.89	0.76	0.44	0.49	0.40	0.38	0.15	0.72	1.73	0.66	1.09	0.49	0.84	3.66	1.26	0.57	1.35	0.67	1.41	0.71	0.50

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201026-234

72-73 Report #: UP178

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	02-07	07-22	01-18
72-73 National P-val:			
UP178	19.54	34.82	31.06
Timing: (in seconds)			
Stimulus:	34	31	35
Response:	115	86	*
I don't know:	5	5	*
Pause:	6	6	*
UP178 Exercise total:	160	133	*

*Time not limited by paced tape.

EXERCISE: 201026-234 UP178

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

RESPONSE: 00 AGE: 13 TEXT: No Response.

Response did not occur at this age.

AGE: 17

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.73	1.50	0.32	0.93	0.00	0.56	0.88	0.59	1.94	0.00	0.59	0.58	0.53	0.65	2.69	0.00	2.66	0.00	1.63	0.84	0.37	0.57
1972-73 SE OF P-VAL	0.26	0.73	0.26	0.56	0.00	0.31	0.62	0.23	1.20	0.00	0.59	0.57	0.28	0.34	2.24	0.00	1.70	0.00	1.66	0.46	0.37	0.30
1972-73 DELTA-P		0.77	-0.41	0.20	-0.73#	-0.17	0.15	-0.14	1.21	-0.73#	-0.14	-0.15	-0.20	-0.08	1.96	-0.73#	1.93	-0.73#	0.90	0.11	-0.36	-0.16
1972-73 SE OF DP		0.55	0.33	0.47	0.26	0.28	0.25	0.14	1.04	0.26	0.52	0.57	0.27	0.25	2.12	0.26	1.60	0.26	1.53	0.77	0.42	0.31

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.18	0.21	0.00	0.45	0.00	0.32	0.05	0.21	0.00	0.00	0.19	0.63	0.09	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.24	0.27
1972-73 SE OF P-VAL	0.12	0.20	0.00	0.39	0.00	0.24	0.05	0.14	0.00	0.00	0.19	0.63	0.09	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.22	0.27
1972-73 DELTA-P		0.03	-0.18	0.27	-0.18	0.14	-0.13	0.03	-0.18	-0.18	0.01	0.45	-0.09	-0.18	-0.18	-0.18	0.36	-0.18	-0.18	-0.18	0.06	0.09
1972-73 SE OF DP		0.19	0.12	0.28	0.12	0.13	0.12	0.02	0.12	0.12	0.18	0.51	0.13	0.12	0.12	0.12	0.51	0.12	0.12	0.12	0.23	0.18

RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	19.54	24.02	15.24	20.37	18.12	23.99	15.16	22.32	7.53	8.72	13.19	9.48	18.21	25.43	14.63	17.52	9.32	18.12	17.72	23.95	25.73	18.89
1972-73 SE OF P-VAL	1.10	2.84	1.78	2.20	1.84	1.39	1.52	1.24	1.29	2.07	3.01	1.69	1.79	1.74	1.78	4.39	2.06	3.17	3.13	3.89	4.10	1.41
1972-73 DELTA-P		4.48	-4.30*	0.83	-1.42	4.45#	-4.38#	2.78#	-12.01#	-10.82#	-6.35*	-10.06#	-1.33	5.89#	-4.91#	-2.02	-10.22#	-1.42	-1.82	4.41	6.19	-0.65
1972-73 SE OF DP		2.34	1.75	1.81	1.70	0.98	0.96	0.44	1.40	2.10	3.03	1.03	1.47	1.12	1.59	4.04	2.14	3.06	2.90	3.17	3.85	1.44

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	34.82	38.58	31.71	32.64	35.59	42.66	27.86	37.55	17.14	33.06	28.32	27.91	29.30	42.61	21.93	32.27	18.42	46.19	32.92	29.11	39.95	36.74
1972-73 SE OF P-VAL	1.45	2.75	3.46	2.81	2.60	1.80	1.92	1.65	2.38	6.85	4.20	4.07	2.98	2.08	4.78	3.89	3.01	4.53	5.38	2.48	4.07	2.38
1972-73 DELTA-P		3.76	-3.11	-2.18	0.77	7.84#	-6.96#	2.73#	-17.68#	-1.76	-6.50	-6.91	-5.52#	7.79#	-12.89#	-2.55	-16.40#	11.37#	-1.90	-5.71*	5.13	1.92
1972-73 SE OF DP		2.32	3.02	2.40	2.35	1.27	1.11	0.56	2.33	6.46	4.13	3.48	1.77	1.31	5.00	3.74	3.35	4.43	5.13	2.52	3.62	1.78

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	31.06	33.87	25.53	30.04	34.17	41.21	21.62	34.58	8.40	20.09	18.23	24.93	32.30	49.63	9.85	29.93	20.16	41.45	26.59	32.02	34.17	30.33
1972-73 SE OF P-VAL	1.42	2.80	3.30	2.76	2.66	2.28	1.38	1.52	1.87	4.58	2.30	2.73	2.22	2.29	4.11	4.64	4.59	3.32	6.39	5.21	4.13	2.58
1972-73 DELTA-P		2.81	-5.53	-1.02	3.11	10.15#	-9.44#	3.52#	-22.66#	-10.97*	-12.83#	-6.13*	1.24	18.57#	-21.21#	-1.13	-10.90*	10.39#	-4.47	0.96	3.11	-0.73
1972-73 SE OF DP		2.47	2.92	2.30	2.32	1.36	1.23	0.51	2.21	4.51	2.17	2.51	1.70	1.90	3.98	4.40	4.79	3.07	6.23	4.85	4.15	1.99

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	14.13	15.84	12.32	15.37	12.68	10.47	17.73	13.74	14.39	18.98	9.84	12.64	14.96	12.21	20.30	12.70	16.03	20.12	17.36	10.60	11.25	13.70
1972-73 SE OF P-VAL	0.76	1.93	1.47	1.33	1.37	1.05	1.32	0.96	1.83	4.00	1.86	2.63	1.37	1.22	2.12	2.81	2.66	4.76	2.13	1.66	1.61	1.27
1972-73 DELTA-P		1.71	-1.81	1.24	-1.45	-3.66#	3.60#	-0.39	0.26	4.85	-4.29*	-1.49	0.83	-1.92*	6.17#	-1.43	1.90	5.99	3.23	-3.53*	-2.88	-0.43
1972-73 SE OF DP		1.59	1.33	1.16	1.24	0.94	0.93	0.43	1.88	3.97	1.87	2.66	1.09	0.91	1.98	2.70	2.79	4.34	2.11	1.68	1.59	1.11

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	17.32	18.46	17.34	18.19	15.10	10.10	23.73	16.01	23.88	22.96	21.13	17.91	16.68	15.98	25.51	13.96	22.88	17.75	17.58	23.93	17.10	13.86
1972-73 SE OF P-VAL	1.17	3.06	1.67	2.19	1.83	0.84	1.80	1.29	2.39	4.90	3.64	2.70	1.66	1.52	6.26	2.00	2.40	3.58	4.31	4.12	2.76	1.57
1972-73 DELTA-P		1.14	0.02	0.87	-2.22	-7.22#	6.41#	-1.31#	6.56#	5.64	3.81	0.59	-0.64	-1.34	8.19	-3.36	5.56*	0.43	0.26	6.61	-0.22	-3.46*
1972-73 SE OF DP		2.38	1.73	1.09	1.74	1.01	0.81	0.47	2.17	4.94	3.57	2.74	1.11	1.03	5.04	2.21	2.69	3.30	3.95	3.50	2.58	1.44

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	33.60	32.64	37.82	35.17	29.24	21.54	44.81	29.74	59.50	43.66	44.98	42.24	28.12	19.53	58.71	33.22	44.30	28.00	44.61	30.54	34.10	31.35
1972-73 SE OF P-VAL	1.41	2.04	3.32	3.19	2.52	1.48	1.86	1.43	3.83	5.61	2.62	2.70	2.05	2.07	7.48	4.56	3.51	3.59	7.23	4.73	3.90	1.83
1972-73 DELTA-P		-0.96	4.22	1.57	-4.36	-12.06#	11.21#	-3.86#	25.90#	10.06	11.38#	8.64#	-5.48#	-14.07#	25.11#	-0.38	10.70#	-5.60	11.01	-3.06	0.50	-2.25
1972-73 SE OF DP		2.04	2.92	2.52	2.23	1.07	0.93	0.69	3.66	5.41	2.21	2.57	1.09	2.09	7.20	4.25	3.58	3.34	6.08	4.26	3.91	1.56

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201037-34

72-73 Report #: UP179

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	09-03	02-23
72-73 National P-val:		
UP179	29.02	46.92
Timing: (in seconds)		
Stimulus:	36	41
Response:	15	*
I don't know:	5	*
Pause:	6	*
UP179 Exercise total:	62	*

*Time not limited by paced tape.

EXERCISE: 201037-34 UP179

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

RESPONSE: 00 AGE: 17 TEXT: No Response.

Response did not occur at this age.

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.31	0.19	1.01	0.00	0.20	0.54	0.10	0.37	0.00	0.00	0.00	0.00	0.83	0.21	0.00	0.00	0.00	0.40	0.00	2.27	0.00	0.00
1972-73 SE OF P-VAL	0.23	0.20	1.01	0.00	0.21	0.46	0.10	0.27	0.00	0.00	0.00	0.00	0.70	0.21	0.00	0.00	0.00	0.41	0.00	1.88	0.00	0.00
1972-73 DELTA-P		-0.12	0.70	-0.31	-0.11	0.23	-0.21	0.06	-0.31	-0.31	-0.31	-0.31	0.52	-0.10	-0.31	-0.31	-0.31	0.09	-0.31	1.96	-0.31	-0.31
1972-73 SE OF DP		0.27	0.80	0.23	0.27	0.24	0.22	0.04	0.23	0.23	0.23	0.23	0.48	0.27	0.23	0.23	0.23	0.41	0.23	1.66	0.23	0.23

RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	29.02	29.97	24.38	33.19	27.02	38.52	20.35	31.40	16.92	22.24	16.49	25.83	27.35	33.29	21.48	26.95	26.82	30.59	31.13	27.82	30.11	29.05
1972-73 SE OF P-VAL	1.41	2.95	2.71	2.98	2.31	1.71	1.54	1.60	2.27	4.13	2.96	3.54	2.39	1.80	5.11	2.76	3.41	3.75	5.71	4.05	2.39	2.28
1972-73 DELTA-P		0.95	-4.64	4.17	-2.00	9.50#	-8.67#	2.38#	-12.10#	-6.78	-12.53#	-3.19	-1.67	4.27#	-7.54	-2.07	-2.20	1.57	2.11	-1.20	1.09	0.03
1972-73 SE OF DP		2.47	2.50	2.39	2.19	0.87	0.92	0.55	2.50	4.16	2.82	3.00	1.85	1.22	5.27	2.79	3.12	3.42	5.35	3.63	2.40	1.85

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	46.92	48.19	41.76	46.93	49.94	55.94	38.53	51.25	21.83	28.48	39.91	42.45	50.02	55.50	27.00	47.87	30.35	55.98	42.89	47.52	49.20	47.58
1972-73 SE OF P-VAL	1.45	2.47	2.00	3.84	2.33	1.94	2.02	1.50	3.12	4.51	2.10	3.42	2.57	2.47	7.41	4.17	4.22	5.42	4.69	3.99	4.99	2.14
1972-73 DELTA-P		1.27	-5.16*	0.01	3.02	9.02#	-8.39#	4.33#	-25.09#	-18.44#	-7.01#	-4.47	3.10	8.58#	-19.92#	0.95	-16.57#	9.06	-4.03	0.60	2.28	0.66
1972-73 SE OF DP		2.30	2.14	2.89	2.17	1.51	1.27	0.62	2.99	4.37	1.83	2.99	2.12	2.00	7.33	4.15	4.16	4.99	4.50	3.88	4.52	1.69

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.69	1.65	2.04	0.92	2.35	1.04	2.28	1.79	1.55	0.55	0.82	0.58	1.62	2.05	2.26	1.91	1.28	1.44	1.41	2.15	2.12	1.58
1972-73 SE OF P-VAL	0.35	0.92	0.81	0.41	0.62	0.42	0.52	0.39	0.82	0.54	0.79	0.57	0.55	0.61	1.38	1.15	0.73	0.65	1.02	1.22	0.99	0.44
1972-73 DELTA-P		-0.04	0.35	-0.77	0.66	-0.65	0.59	0.10	-0.14	-1.14	-0.87	-1.11	-0.07	0.36	0.57	0.22	-0.41	-0.25	-0.28	0.46	0.43	-0.11
1972-73 SE OF DP		0.73	0.71	0.44	0.57	0.34	0.31	0.12	0.73	0.61	0.83	0.57	0.54	0.35	1.31	1.10	0.77	0.59	0.98	1.07	0.86	0.35

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.97	1.86	2.48	2.26	1.33	1.85	2.08	1.53	5.22	2.56	2.23	0.59	1.81	1.86	9.23	3.72	2.89	2.32	3.54	0.49	0.51	1.81
1972-73 SE OF P-VAL	0.44	0.83	0.78	1.14	0.45	0.75	0.49	0.40	2.38	1.49	0.69	0.36	1.00	0.70	5.61	1.77	1.16	1.77	1.71	0.48	0.38	0.54
1972-73 DELTA-P		-0.11	.51	0.29	-0.64	-0.12	0.11	-0.44	3.25	0.59	0.26	-1.38*	-0.16	-0.11	7.26	1.75	0.92	0.35	1.57	-1.48*	-1.46#	-0.16
1972-73 SE OF DP		0.74	0.74	0.86	0.54	0.47	0.43	0.25	2.12	1.55	0.66	0.56	0.74	0.66	5.47	1.69	0.95	1.50	1.56	0.61	0.55	0.52

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201045-1234

72-73 Report #: UP180

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple part multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:		9	13	17IS	Adult
72-73 Package-Exercise:		07-23	09-21	04-22	05-15
72-73 National P-val:					
	UP180A	14.51	30.73	52.21	51.78
	UP180B	32.21	48.83	53.99	53.28
Timing: (in seconds)					
	Stimulus:	22	22	21	24
	Response:	13	11	14	*
	I don't know:	5	5	5	*
	Pause:	5	4	5	*
	Turn page:	(6)	(6)	(5)	(6)
UP180A	Part total:	45**	42**	45**	*
	Stimulus:	19	20	19	22
	Response:	13	11	15	*
	I don't know:	1	1	1	*
	Pause:	6	6	5	*
UP180B	Part total:	39	38	40	*
UP180	Exercise total:	84	80	85	*

*Time not limited by paced tape.

**Time to turn page is not included in total times.

EXERCISE: 201045-1234 UP180

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.48	1.04	0.16	0.29	0.41	0.58	0.38	0.46	0.84	0.00	0.00	0.00	0.04	0.29	0.96	0.00	0.61	0.00	0.41	0.23	0.48	0.92
1972-73 SE OF P-VAL	0.18	0.61	0.17	0.17	0.20	0.22	0.19	0.22	0.42	0.00	0.00	0.00	0.05	0.16	0.44	0.00	0.40	0.00	0.41	0.22	0.33	0.51
1972-73 DELTA-P		0.56	-0.32	-0.19	-0.07	0.10	-0.10	-0.02	0.36	-0.48#	-0.48#	-0.48#	-0.44*	-0.19	0.48	-0.48#	0.13	-0.48#	-0.07	-0.25	0.00	0.44
1972-73 SE OF DP		0.45	0.22	0.22	0.24	0.10	0.10	0.07	0.40	0.18	0.18	0.18	0.18	0.21	0.27	0.18	0.41	0.18	0.40	0.26	0.34	0.35
AGE: 13																						
1972-73 P-VALUE	0.95	0.08	3.07	0.45	0.32	1.12	0.77	1.12	0.32	0.00	0.83	0.00	1.84	0.28	1.48	0.08	1.80	0.00	0.30	0.14	0.84	2.00
1972-73 SE OF P-VAL	0.68	0.08	2.81	0.27	0.31	0.68	0.70	0.83	0.25	0.00	0.83	0.00	1.31	0.28	0.88	0.09	1.26	0.00	0.30	0.14	0.56	1.99
1972-73 DELTA-P		-0.87	2.12	-0.50	-0.63	0.17	-0.18	0.17	-0.63	-0.95	-0.12	-0.95	0.89	-0.67	0.53	-0.87	0.85	-0.95	-0.65	-0.81	-0.11	1.05
1972-73 SE OF DP		0.68	2.14	0.71	0.72	0.12	0.13	0.15	0.72	0.68	0.22	0.68	0.64	0.41	0.38	0.69	1.36	0.68	0.74	0.69	0.84	1.33
AGE: 17																						
1972-73 P-VALUE	0.78	1.09	0.23	1.28	0.21	0.77	0.79	0.85	0.50	0.27	0.00	0.00	1.12	0.27	5.18	0.00	1.46	1.52	0.00	2.80	0.00	0.14
1972-73 SE OF P-VAL	0.42	0.58	0.23	1.28	0.21	0.42	0.46	0.51	0.26	0.28	0.00	0.00	0.67	0.27	2.65	0.00	0.74	1.32	0.00	2.37	0.00	0.15
1972-73 DELTA-P		0.31	-0.55	0.50	-0.57	-0.01	0.01	0.07	-0.28	-0.51	-0.78	-0.78	0.34	-0.51*	4.40	-0.78	0.68	0.74	-0.78	2.02	-0.78	-0.64
1972-73 SE OF DP		0.58	0.46	0.91	0.45	0.12	0.12	0.09	0.48	0.50	0.42	0.42	0.32	0.21	2.38	0.42	0.71	1.24	0.42	2.01	0.42	0.43
AGE: Ad																						
1972-73 P-VALUE	0.21	0.12	0.84	0.00	0.00	0.00	0.40	0.04	1.70	0.00	0.68	0.00	0.10	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.11	0.83	0.00	0.00	0.00	0.35	0.03	1.64	0.00	0.67	0.00	0.09	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.46
1972-73 DELTA-P		-0.09	0.63	-0.21	-0.21	-0.21	0.19	-0.17	1.49	-0.21	0.47	-0.21	-0.11	-0.21	-0.21	-0.21	-0.21	0.01	-0.21	-0.21	-0.21	0.25
1972-73 SE OF DP		0.20	0.66	0.18	0.18	0.18	0.17	0.19	1.47	0.18	0.49	0.18	0.19	0.18	0.18	0.18	0.18	0.25	0.18	0.18	0.18	0.28
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	14.51	17.59	11.90	14.38	13.88	17.25	11.75	15.59	9.09	12.69	13.61	10.97	16.57	16.94	12.00	13.29	11.93	14.66	13.02	14.22	16.84	15.11
1972-73 SE OF P-VAL	0.75	1.54	1.30	1.60	1.49	1.08	1.02	0.84	1.35	2.54	2.51	2.63	1.88	1.07	1.19	2.38	1.86	1.83	2.47	2.40	1.60	1.62
1972-73 DELTA-P		3.08*	-2.61*	-0.13	-0.63	2.74#	-2.76#	1.08#	-5.42#	-1.82	-0.90	-3.54	2.06	2.43*	-2.51#	-1.22	-2.58	0.15	-1.49	-0.29	2.33	0.60
1972-73 SE OF DP		1.33	1.20	1.29	1.35	0.73	0.74	0.31	1.36	2.38	2.55	2.61	1.53	0.99	0.86	2.32	1.85	1.85	2.33	2.20	1.58	1.29
AGE: 13																						
1972-73 P-VALUE	30.73	34.79	21.03	33.27	33.29	36.34	24.64	32.99	15.72	28.32	31.63	27.74	28.47	36.64	20.39	29.83	27.60	33.68	30.26	33.37	29.56	29.96
1972-73 SE OF P-VAL	1.31	2.65	2.00	3.10	1.93	1.88	1.66	1.49	2.37	4.18	3.82	4.20	1.95	2.07	2.56	4.42	4.57	2.99	4.17	3.57	3.61	2.22
1972-73 DELTA-P		4.06	-9.70#	2.54	2.56	5.61#	-6.09#	2.26#	-15.01#	-2.41	0.90	-2.99	-2.26	5.91#	-10.34#	-0.90	-3.13	2.95	-0.47	2.64	-1.17	-0.77
1972-73 SE OF DP		2.27	1.84	2.53	1.86	1.17	1.22	0.55	2.46	4.14	3.87	3.83	1.76	1.35	2.24	4.10	4.75	2.80	3.81	3.26	3.42	1.73
AGE: 17																						
1972-73 P-VALUE	52.21	57.57	45.77	49.63	54.55	60.08	44.15	56.20	28.30	40.98	44.18	35.22	47.88	60.51	44.58	48.05	39.23	56.98	51.27	49.87	58.89	52.95
1972-73 SE OF P-VAL	1.41	2.98	2.55	2.43	2.71	1.98	2.29	1.45	3.01	5.17	4.60	3.76	2.19	2.08	3.80	5.64	4.56	5.90	5.05	3.32	3.08	2.65
1972-73 DELTA-P		5.36*	-6.44#	-2.58	2.34	7.87#	-8.06#	3.99#	-23.91#	-11.23*	-8.03	-16.99#	-4.33#	8.30#	-7.63*	-4.16	-12.98#	4.77	-0.94	-2.34	6.68*	0.74
1972-73 SE OF DP		2.37	2.45	2.08	2.43	1.53	1.68	0.73	2.79	5.20	4.28	3.95	1.71	1.26	3.46	5.30	4.45	5.39	4.70	3.27	3.17	3.34
AGE: Ad																						
1972-73 P-VALUE	51.78	53.98	46.44	53.61	52.07	63.75	40.65	56.09	25.92	38.43	39.89	48.53	55.38	63.35	35.04	47.87	33.25	65.79	44.07	52.54	52.45	53.51
1972-73 SE OF P-VAL	1.41	2.54	3.02	3.05	2.68	1.77	1.67	1.39	3.23	7.03	2.79	2.94	2.58	2.71	5.88	3.99	3.00	3.70	6.29	3.07	4.01	2.21
1972-73 DELTA-P		2.20	-5.34	1.83	0.29	11.97#	-11.13#	4.31#	-25.86#	-13.35*	-11.89#	-3.25	3.60	11.57#	-16.74#	-3.91	-18.53#	14.01#	-7.71	0.76	0.67	1.73
1972-73 SE OF DP		2.27	2.70	2.50	2.34	1.12	1.07	0.78	3.20	6.63	2.33	2.73	2.13	2.36	6.32	3.84	2.99	3.54	5.95	2.87	3.79	1.75
RESPONSE: 08 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	22.32	18.36	25.48	21.76	24.31	18.31	26.35	21.78	23.07	27.49	19.07	17.72	17.23	14.99	31.56	22.32	22.28	18.06	21.76	25.72	23.32	22.19
1972-73 SE OF P-VAL	1.32	1.86	3.40	2.07	3.14	1.42	1.89	1.51	2.53	4.26	3.95	4.62	2.28	1.53	2.28	2.75	3.65	2.69	3.11	3.08	5.10	2.23
1972-73 DELTA-P		-3.96*	3.16	-0.56	1.99	-4.01#	4.03#	-0.54	0.75	5.17	-3.25	-4.60	-5.09#	-7.33#	9.24#	0.00	-0.04	-4.26	-0.56	3.40	1.00	-0.13
1972-73 SE OF DP		1.84	2.80	1.90	2.68	1.05	1.03	0.57	2.49	4.01	3.92	4.36	1.79	1.34	1.55	2.73	3.75	2.36	2.83	2.84	4.62	1.79
AGE: 13																						
1972-73 P-VALUE	11.33	8.08	14.29	10.88	12.10	9.55	13.26	10.83	15.07	11.17	10.59	12.97	13.91	7.75	15.25	10.04	16.12	8.77	11.60	11.16	13.80	10.88
1972-73 SE OF P-VAL	0.88	1.23	2.07	1.95	1.62	1.04	1.24	0.96	2.32	2.86	2.83	2.74	1.47	0.92	2.18	2.58	1.83	2.65	2.45	1.73	3.51	1.39
1972-73 DELTA-P		-3.25#	2.96	-0.45	0.77	-1.78#	1.93#	-0.50	3.74	-0.16	-0.74	1.64	2.58*	-3.58#	3.92*	-1.29	4.79*	-2.56	0.27	-0.17	2.47	-0.45
1972-73 SE OF DP		1.25	1.74	1.61	1.43	0.69	0.76	0.35	2.18	2.80	2.89	2.58	1.06	0.72	1.75	2.46	1.96	2.50	2.24	1.72	3.12	1.19

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201045-1234 UP180

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part A.

RESPONSE: 09 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 17																						
1972-73 P-VALUE	8.97	8.61	8.65	10.14	8.13	6.09	11.92	8.44	11.15	12.83	9.29	7.29	10.02	8.66	8.20	7.91	13.59	5.23	10.60	11.79	7.57	8.34
1972-73 SE OF P-VAL	0.85	1.94	1.92	1.58	1.20	1.01	1.12	0.84	2.07	3.02	1.08	1.63	1.62	1.10	2.71	3.07	1.07	1.82	2.06	3.04	1.09	1.25
1972-73 DELTA-P		-0.36	-0.32	1.17	-0.84	-2.88#	2.95#	-0.53*	2.18	3.86	0.32	-1.68	1.05	-0.31	-0.77	-1.06	4.62	-3.74*	1.63	2.82	-1.40	-0.63
1972-73 SE OF DP		1.55	1.73	1.31	1.22	0.62	0.66	0.26	1.88	2.69	2.69	1.73	1.27	0.77	2.66	3.00	2.82	1.65	2.03	2.51	1.29	1.21
AGE: Ad																						
1972-73 P-VALUE	11.09	10.91	12.86	11.87	8.95	7.44	14.48	10.83	11.66	13.52	14.36	11.27	9.24	8.49	24.21	14.43	14.82	13.68	7.54	8.61	10.21	10.32
1972-73 SE OF P-VAL	0.78	1.29	1.69	1.81	1.35	1.01	1.07	0.82	3.04	3.85	1.75	1.81	1.54	1.72	9.89	3.20	2.27	2.75	3.66	1.51	2.59	1.01
1972-73 DELTA-P		-0.18	1.77	0.78	-2.14	-3.65#	3.39#	-0.26	0.57	2.43	3.27*	0.18	-1.85	-2.60	13.12	3.34	3.73	2.59	-3.55	-2.48	-0.88	-0.77
1972-73 SE OF DP		1.20	1.50	1.43	1.22	0.71	0.65	0.41	2.75	3.84	1.58	1.78	1.32	1.51	9.80	3.04	2.16	2.52	3.44	1.47	2.42	0.91

EXERCISE: 201045-1234 UP180

Part B.

RESPONSE: 00 TEXT: No Response.

RESPONSE: 02* TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9																						
1972-73 P-VALUE	0.61	0.98	0.68	0.30	0.50	0.63	0.59	0.51	0.85	1.40	0.00	0.00	0.35	0.24	1.17	0.75	0.19	0.00	1.75	0.00	0.72	0.72
1972-73 SE OF P-VAL	0.23	0.73	0.51	0.17	0.22	0.29	0.24	0.21	0.46	0.91	0.00	0.00	0.31	0.14	0.52	0.75	0.19	0.00	1.48	0.00	0.55	0.30
1972-73 DELTA-P		0.37	0.07	-0.31	-0.11	0.02	-0.02	-0.10	0.24	0.79	-0.61#	-0.61#	-0.26	-0.37	0.56	0.14	-0.42	-0.61#	1.14	-0.61#	0.11	0.11
1972-73 SE OF DP		0.55	0.44	0.26	0.29	0.13	0.13	0.08	0.33	0.79	0.23	0.23	0.30	0.25	0.31	0.68	0.29	0.23	1.31	0.23	0.53	0.27
AGE: 13																						
1972-73 P-VALUE	1.00	0.24	3.06	0.51	0.31	1.14	0.85	1.18	0.32	0.00	1.39	0.00	1.84	0.28	1.57	0.08	1.80	0.12	0.30	0.40	0.84	2.00
1972-73 SE OF P-VAL	0.68	0.18	2.81	0.28	0.31	0.68	0.71	0.83	0.25	0.00	0.99	0.00	1.31	0.29	0.89	0.09	1.26	0.12	0.30	0.29	0.56	1.99
1972-73 DELTA-P		-0.76	2.06	-0.49	-0.69	0.14	-0.15	0.18	-0.68	-1.00	0.39	-1.00	0.84	-0.72	0.57	-0.92	0.80	-0.88	-0.70	-0.60	-0.16	1.00
1972-73 SE OF DP		0.70	2.14	0.71	0.72	0.13	0.13	0.15	0.72	0.68	0.57	0.68	0.54	0.41	0.39	0.69	1.36	0.69	0.74	0.73	0.84	1.33
AGE: 17																						
1972-73 P-VALUE	0.76	1.02	0.23	1.28	0.21	0.77	0.75	0.80	0.50	0.75	0.00	0.00	0.98	0.27	5.58	0.00	1.74	1.52	0.00	2.52	0.00	0.14
1972-73 SE OF P-VAL	0.42	0.57	0.23	1.28	0.21	0.42	0.46	0.50	0.26	0.45	0.00	0.00	0.66	0.27	2.69	0.00	0.84	1.32	0.00	2.37	0.00	0.15
1972-73 DELTA-P		0.26	-0.53	0.52	-0.55	0.01	-0.01	0.04	-0.26	-0.01	-0.76	-0.76	0.22	-0.49*	4.82	-0.76	0.98	0.76	-0.76	1.76	-0.76	-0.62
1972-73 SE OF DP		0.57	0.46	0.91	0.45	0.12	0.12	0.10	0.47	0.59	0.42	0.42	0.31	0.20	2.42	0.42	0.77	1.24	0.42	2.01	0.42	0.43
AGE: Ad																						
1972-73 P-VALUE	0.23	0.22	0.83	0.00	0.00	0.05	0.39	0.03	1.69	0.42	0.77	0.00	0.09	0.00	0.00	0.00	0.29	0.21	0.00	0.00	0.00	0.46
1972-73 SE OF P-VAL	0.18	0.11	0.83	0.00	0.00	0.06	0.35	0.03	1.64	0.44	0.68	0.00	0.09	0.00	0.00	0.00	0.30	0.20	0.00	0.00	0.00	0.46
1972-73 DELTA-P		-0.01	0.60	-0.23	-0.23	-0.18	0.16	-0.20	1.46	0.19	0.54	-0.23	-0.14	-0.23	-0.23	-0.23	0.06	-0.02	-0.23	-0.23	-0.23	0.23
1972-73 SE OF DP		0.20	0.66	0.18	0.18	0.18	0.17	0.18	1.47	0.47	0.50	0.18	0.20	0.18	0.18	0.18	0.34	0.26	0.18	0.18	0.18	0.28
RESPONSE: 02* AGE: 9																						
1972-73 P-VALUE	32.21	34.57	28.88	31.10	34.46	35.65	28.76	34.08	23.74	27.03	32.36	32.34	32.42	36.41	28.77	29.63	23.18	34.39	26.93	35.95	33.28	33.81
1972-73 SE OF P-VAL	1.15	1.83	2.64	2.31	2.31	1.53	1.50	1.19	2.25	3.80	3.76	4.33	2.27	2.17	1.77	4.54	3.48	3.90	3.07	2.89	2.97	1.67
1972-73 DELTA-P		2.36	-3.33	-1.11	2.25	3.44#	-3.45#	1.87#	-8.47#	-5.18	0.15	0.13	0.21	4.20*	-3.44*	-2.58	-9.03#	2.18	-5.28	3.74	1.07	1.60
1972-73 SE OF DP		1.72	2.21	1.91	2.08	0.98	0.98	0.49	1.95	3.56	3.60	4.32	1.97	1.80	1.39	4.44	3.23	3.55	2.89	2.59	2.87	1.55
AGE: 13																						
1972-73 P-VALUE	48.83	52.47	45.38	46.39	51.06	52.49	44.86	51.31	35.04	41.79	47.61	39.52	49.26	52.55	43.11	47.35	45.86	48.19	43.96	53.86	49.96	48.96
1972-73 SE OF P-VAL	1.44	2.92	3.38	2.55	2.52	1.85	1.93	1.53	3.43	3.29	3.56	3.85	2.33	1.91	2.66	3.61	4.77	3.52	3.13	3.05	3.18	2.60
1972-73 DELTA-P		3.64	-3.45	-2.44	2.23	3.66#	-3.97#	2.48#	-13.79#	-7.04*	-1.22	-9.31*	0.43	3.72#	-5.72*	-1.48	-2.97	-0.64	-4.87	5.03	1.13	0.13
1972-73 SE OF DP		2.54	2.83	2.27	2.26	1.17	1.29	0.61	3.05	3.19	3.61	4.06	1.44	1.15	2.39	3.15	4.73	3.46	3.08	2.70	3.08	1.88
AGE: 17																						
1972-73 P-VALUE	53.89	54.18	50.91	54.89	54.72	57.89	49.79	55.79	42.55	40.35	44.22	52.52	52.40	57.63	44.10	58.09	47.69	57.71	51.04	55.30	54.87	52.45
1972-73 SE OF P-VAL	1.15	2.47	2.39	1.73	2.64	1.69	2.00	1.25	2.47	3.16	3.80	3.39	1.86	1.71	5.04	3.63	3.02	4.00	3.17	3.12	3.26	1.69
1972-73 DELTA-P		0.29	-2.98	1.00	0.83	4.00#	-4.10#	1.90#	-11.34#	-5.54	-9.67#	-1.37	-1.49	3.74#	-9.79*	4.20	-6.20*	3.82	-2.85	1.41	0.98	-1.44
1972-73 SE OF DP		2.02	2.21	1.58	2.25	1.43	1.46	0.40	2.38	3.23	3.85	3.15	1.67	1.16	4.72	3.43	2.90	3.55	3.02	2.77	3.09	1.66

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201045-1234 UP180

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY					
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIU CIT
RESPONSE: 02* AGE: Ad TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	53.28	49.83	51.41	54.18	57.26	57.67	49.19	56.59	35.32	39.98	45.98	51.11	55.78	60.18	42.72	54.28	42.85	58.08	53.77	50.57	48.22	56.08
1972-73 SE OF P-VAL	1.50	3.39	3.76	2.26	2.69	2.10	1.83	1.50	4.07	6.48	2.40	3.01	2.45	3.09	8.66	5.30	3.71	5.10	5.21	3.52	4.26	2.08
1972-73 DELTA-P		-3.45	-1.87	0.90	3.98	4.39#	-4.09#	3.31#	-17.96#	-13.30*	-7.30#	-2.17	2.50	6.90#	-10.56	0.96	-10.43#	4.80	0.49	-2.71	-5.06	2.80
1972-73 SE OF DP		2.82	3.23	2.13	2.39	1.29	1.27	0.67	3.70	6.45	2.01	2.67	2.31	2.28	8.42	4.95	3.43	4.54	4.92	3.43	3.77	1.90
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																					
1972-73 P-VALUE	11.93	9.24	14.89	11.36	12.65	9.90	13.97	10.39	17.84	18.51	16.39	8.49	7.56	7.38	17.65	12.44	17.27	10.23	14.06	10.24	11.64	11.41
1972-73 SE OF P-VAL	0.87	1.66	1.78	1.50	1.87	0.91	1.32	0.83	2.01	4.63	3.15	3.31	1.37	1.20	1.81	2.10	1.92	2.04	3.28	2.17	1.90	1.29
1972-73 DELTA-P		-2.69	2.96	-0.57	0.72	-2.03#	2.04#	-1.54#	5.91#	6.58	4.46	-3.44	-4.37#	-4.55#	5.72#	0.51	5.30#	-1.70	2.13	-1.69	-0.29	-0.52
1972-73 SE OF DP		1.44	1.52	1.31	1.65	0.74	0.73	0.52	1.77	4.29	3.02	3.29	1.40	1.14	1.27	2.00	2.02	1.81	2.93	1.89	1.79	1.14
AGE: 13																					
1972-73 P-VALUE	4.01	2.92	3.69	5.07	4.25	3.33	4.74	3.74	6.85	2.62	6.22	5.95	3.51	2.18	8.05	4.54	4.50	2.55	3.31	5.46	4.14	3.82
1972-73 SE OF P-VAL	0.43	0.51	0.72	0.97	1.06	0.52	0.83	0.47	1.29	1.03	2.74	1.76	0.72	0.53	1.65	1.09	1.50	0.84	1.02	1.41	1.10	0.91
1972-73 DELTA-P		-1.09	-0.32	1.06	0.24	-0.68	0.73	-0.27	2.84*	-1.39	2.21	1.94	-0.50	-1.83#	4.04#	0.53	0.49	-1.46	-0.70	1.45	[illegible]	-0.19
1972-73 SE OF DP		0.57	0.68	0.79	0.85	0.51	0.56	0.18	1.22	1.04	2.73	1.64	0.62	0.50	1.48	1.10	1.49	0.84	0.95	1.26	1.09	0.72
AGE: 17																					
1972-73 P-VALUE	4.12	3.94	[illegible]	4.64	2.21	3.80	4.45	3.52	7.89	5.45	5.58	3.02	3.47	4.06	8.37	4.23	4.73	3.24	3.30	5.39	3.74	4.07
1972-73 SE OF P-VAL	0.44	0.94	0.82	0.91	0.68	0.62	0.69	0.48	1.03	2.39	2.13	0.70	0.73	0.59	2.14	1.55	1.84	1.37	1.28	1.89	0.84	0.79
1972-73 DELTA-P		-0.18	1.72*	0.52	-1.91#	-0.32	0.33	-0.60#	[illegible]	1.33	1.46	-1.10	-0.65	-0.06	4.25*	0.11	0.61	-0.88	-0.82	1.27	-0.38	-0.05
1972-73 SE OF DP		0.77	0.77	0.73	0.66	0.48	0.49	0.19	1.04	2.28	1.98	0.69	0.61	0.39	2.12	1.40	1.78	1.40	1.33	1.71	0.84	0.64
AGE: Ad																					
1972-73 P-VALUE	6.64	9.10	8.64	5.36	3.94	5.27	7.92	5.50	14.66	8.23	9.51	6.39	5.43	3.61	23.32	7.25	11.03	3.58	10.56	5.22	6.78	6.03
1972-73 SE OF P-VAL	0.59	1.26	1.69	0.88	0.93	0.74	0.83	0.59	2.47	3.17	1.22	1.52	1.00	0.88	6.63	3.52	2.26	0.98	2.64	1.74	1.52	0.75
1972-73 DELTA-P		2.46*	2.00	-1.28	-2.70#	-1.37#	1.28#	-1.14#	8.02#	1.59	2.87#	-0.25	-1.21	-3.03#	16.68	0.61	4.39*	-3.06#	3.92	-1.42	0.14	-0.61
1972-73 SE OF DP		1.06	1.43	0.83	0.87	0.53	0.50	0.34	2.43	2.98	1.02	1.47	0.86	0.86	8.43	3.30	2.17	0.98	2.46	1.61	1.45	0.73

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201046-23

72-73 Report #: UP181

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple part short answer
Scoring Type: Professional
Administration Mode: Group

		13	17IS
Age:			
72-73 Package-Exercise:		01-31	01-29
72-73 National P-val:			
	UP181-1	42.00	66.51
	UP181-2	25.99	38.14
	UP181-3	14.15	25.60
	UP181-4	6.06	12.96
Timing: (in seconds)			
	Stimulus:	38	35
	Response:	81	84
UP181	Exercise total:	119	119

EXERCISE: 201046-23 UP181

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part 1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	5.85	2.87	5.76	6.69	7.99	6.59	5.08	4.40	11.74	11.20	12.06	6.80	4.64	4.54	8.17	6.53	27.06	6.76	2.28	3.85	6.73	3.85
1972-73 SE OF P-VAL	1.23	0.79	1.91	2.33	3.77	1.04	1.63	1.08	3.81	4.95	5.17	2.58	1.15	1.66	2.16	4.03	13.93	5.18	0.77	1.11	1.51	1.23
1972-73 DELTA-P		-2.98*	-0.09	0.84	2.14	0.74	-0.77	-1.45*	5.89	5.35	6.21	0.95	-1.21	-1.31	2.32	0.68	21.21	0.91	-3.57#	-2.00	0.88	-2.00
1972-73 SE OF DP		1.35	1.91	1.90	3.00	0.56	0.59	0.71	3.14	4.50	4.85	2.12	0.98	1.16	1.65	3.84	13.15	4.69	1.29	1.65	1.71	1.42
AGE: 17																						
1972-73 P-VALUE	3.06	2.80	1.10	0.78	7.00	2.66	3.45	2.64	5.82	4.08	1.35	1.67	1.84	3.46	9.87	0.92	3.10	6.26	7.57	6.90	1.02	0.64
1972-73 SE OF P-VAL	1.45	1.12	0.51	0.46	5.20	1.38	1.58	1.64	1.44	2.42	0.70	0.81	0.94	2.67	3.36	0.67	1.50	6.01	3.36	4.98	0.63	0.31
1972-73 DELTA-P		-0.26	-1.96	-2.28	3.94	-0.40	0.39	-0.42	2.76	1.02	-1.71	-1.39	-1.22	0.40	6.81	-2.14	0.04	3.20	4.51	3.84	-2.04	-2.42
1972-73 SE OF DP		1.63	1.50	1.48	3.82	0.33	0.32	0.32	1.53	2.08	1.58	1.60	1.20	1.29	3.41	1.59	2.04	4.65	3.40	3.63	1.54	1.46
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	42.00	46.08	34.21	46.88	38.20	44.29	39.63	47.67	21.10	17.08	26.08	37.24	40.92	52.36	26.64	34.78	19.63	51.95	45.49	41.52	43.52	42.05
1972-73 SE OF P-VAL	1.76	3.46	2.22	3.57	3.94	2.17	1.87	1.67	2.99	4.87	4.04	4.19	2.42	2.46	3.21	6.58	5.51	6.58	4.44	3.78	4.08	2.68
1972-73 DELTA-P		4.08	-7.79#	4.88	-3.80	2.29*	-2.37*	5.67#	-20.90#	-24.92#	-15.92#	-4.76	-1.08	10.36#	-15.36#	-7.22	-22.37#	9.95	3.49	-0.48	1.52	0.05
1972-73 SE OF DP		2.99	2.47	2.81	3.36	0.99	1.04	0.93	2.87	4.26	3.91	3.96	1.72	1.90	2.61	6.13	5.26	6.07	4.22	3.61	3.77	2.38
AGE: 17																						
1972-73 P-VALUE	66.51	66.66	63.82	70.03	65.00	67.14	65.90	69.96	43.91	57.52	53.75	51.63	65.01	73.93	54.14	62.09	45.87	70.01	59.77	68.18	70.35	69.44
1972-73 SE OF P-VAL	1.83	3.11	4.52	2.84	4.32	2.30	2.57	1.91	3.68	6.68	4.32	4.02	2.45	2.50	6.61	3.70	5.45	5.15	6.20	5.57	3.55	2.40
1972-73 DELTA-P		0.15	-2.69	3.52	-1.51	0.63	-0.61	3.45#	-22.60#	-8.99	-12.76#	-14.88#	-1.50	7.42#	-12.37	-4.42	-20.64#	3.50	-6.74	1.67	3.84	2.93
1972-73 SE OF DP		2.78	3.98	2.71	3.46	1.64	1.59	0.80	3.39	6.22	3.89	3.87	1.98	1.65	6.20	3.87	5.28	4.27	6.00	4.66	3.76	2.1[illegible]
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.77	3.14	6.14	2.71	7.98	4.77	4.77	3.16	5.63	21.54	13.07	4.11	5.19	2.83	5.52	11.94	4.84	1.89	4.05	2.72	6.31	4.27
1972-73 SE OF P-VAL	0.80	0.95	1.52	0.49	2.78	0.98	0.93	0.52	1.31	6.62	4.74	1.21	0.91	0.66	1.37	6.07	2.07	1.55	1.33	1.13	2.15	0.69
1972-73 DELTA-P		-1.63	1.37	-2.06*	3.21	0.00	0.00	-1.61*	0.86	16.77#	8.30*	-0.66	0.42	-1.94#	0.75	7.17	0.07	-2.88	-0.72	-2.05	1.54	-0.50
1972-73 SE OF DP		1.04	1.40	0.86	2.16	0.51	0.53	0.71	1.27	5.98	4.09	1.11	0.62	0.64	1.45	5.47	2.08	1.69	1.37	1.32	2.00	0.93
AGE: 17																						
1972-73 P-VALUE	2.29	2.67	2.58	2.30	1.68	1.67	2.89	1.42	6.86	6.51	7.33	2.84	2.40	0.94	6.02	2.37	3.84	2.67	4.08	0.44	4.02	1.57
1972-73 SE OF P-VAL	0.53	1.47	0.67	1.11	0.56	0.44	0.83	0.45	2.14	2.30	2.53	1.09	0.77	0.32	3.23	1.44	1.29	2.01	3.77	0.45	1.25	0.57
1972-73 DELTA-P		0.38	0.29	0.01	-0.61	-0.62	0.60	-0.87*	4.57*	4.22*	5.04*	0.55	0.11	-1.35#	3.73	0.08	1.55	0.38	1.79	-1.85#	1.73	-0.72
1972-73 SE OF DP		1.12	0.74	0.94	0.65	0.42	0.39	0.36	1.86	2.04	2.21	0.97	0.55	0.47	2.96	1.45	1.43	1.80	3.46	0.66	1.19	0.56

EXERCISE: 201046-23 UP181

Part 2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	13.84	10.42	15.15	14.71	15.16	14.82	12.82	12.14	22.17	17.36	18.62	16.93	14.55	9.56	19.96	13.44	35.86	10.18	13.55	15.06	11.71	12.19
1972-73 SE OF P-VAL	1.23	1.46	2.10	2.19	3.64	1.14	1.75	1.18	3.93	5.44	4.87	3.72	1.65	1.62	2.52	4.42	12.61	5.05	2.55	2.63	1.97	1.40
1972-73 DELTA-P		-3.42*	1.31	0.87	1.32	0.98	-1.02	-1.70*	8.33*	3.52	4.78	3.09	0.71	-4.28#	6.12#	-0.40	22.02	-3.66	-0.29	1.22	-2.13	-1.65
1972-73 SE OF DP		1.64	2.01	1.82	2.92	0.79	0.83	0.75	3.38	5.10	4.60	3.12	1.48	1.20	2.09	4.20	12.01	4.80	2.59	2.46	2.04	1.50
AGE: 17																						
1972-73 P-VALUE	9.05	8.74	8.72	6.44	[illegible].13	8.19	9.89	8.39	12.68	12.03	8.03	8.27	9.18	8.76	12.90	6.17	11.29	10.09	15.16	12.06	7.68	6.74
1972-73 SE OF P-VAL	1.44	1.58	1.44	1.08	4.86	1.49	1.67	1.64	1.79	3.39	1.72	1.87	1.56	2.64	3.25	1.72	1.49	5.89	4.12	4.85	2.02	1.16
1972-73 DELTA-P		-0.31	-0.33	-2.61	3.08	-0.86	0.84	-0.66	3.63	2.98	-1.02	-0.78	0.13	-0.29	3.85	-2.88	2.24	1.04	6.11	3.01	-1.37	-2.31
1972-73 SE OF DP		1.79	1.82	1.62	3.60	0.67	0.65	0.34	2.15	3.11	2.15	2.21	1.56	1.40	3.31	2.19	2.01	4.70	4.10	3.70	2.34	1.54
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	25.99	29.60	22.22	28.41	22.33	26.54	25.42	29.66	9.67	15.16	16.98	24.84	25.35	32.20	15.64	17.67	12.57	31.88	27.77	23.56	22.75	30.36
1972-73 SE OF P-VAL	1.40	2.82	1.93	3.06	2.64	1.58	1.72	1.45	2.18	5.17	3.44	3.35	1.75	1.91	2.22	4.38	3.96	3.87	3.57	3.02	2.53	1.98
1972-73 DELTA-P		3.61	-3.77	2.42	-3.66	0.55	-0.57	3.67#	-16.32#	-10.83*	-9.01#	-1.15	-0.64	6.21#	-10.35#	-8.32*	-13.42	5.89	1.78	-2.43	-3.24	4.37#
1972-73 SE OF DP		2.42	2.04	2.36	2.38	0.86	0.89	0.72	2.27	4.79	3.01	2.85	1.28	1.30	2.06	3.86	3.95	3.60	3.32	2.89	2.35	1.62

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203046-23   02101

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part 2.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	38.14	35.54	31.96	42.26	41.48	41.93	34.47	40.60	23.79	28.68	26.92	34.15	39.35	41.15	27.33	34.99	31.57	37.67	35.79	33.20	41.22	42.05
1972-73 SE OF P-VAL	1.49	2.11	2.50	2.33	4.17	2.16	1.68	1.60	3.57	6.35	1.60	3.45	2.10	2.38	3.87	3.66	3.77	4.13	4.58	4.84	3.97	2.61
1972-73 DELTA-P		-2.60	-6.18*	4.12	3.34	3.79#	-3.67#	2.46#	-14.35#	-9.46	-11.32#	-3.99	1.21	3.00	-10.81#	-3.15	-6.57	-0.47	-6.35	-4.94	3.08	3.91
1972-73 SE OF DP		2.07	2.49	2.19	3.21	1.27	1.31	0.62	3.62	5.78	3.57	3.20	1.72	1.53	4.12	3.64	3.57	3.91	4.59	4.36	4.27	2.04
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	7.25	6.38	7.73	5.08	10.60	6.24	8.30	6.00	7.23	21.58	13.79	5.48	7.51	5.77	8.50	15.16	7.62	5.14	6.97	6.04	9.40	5.28
1972-73 SE OF P-VAL	0.40	1.25	1.90	1.04	2.78	1.01	1.12	0.72	1.45	6.82	4.68	1.81	1.06	0.96	1.76	6.14	2.75	2.18	1.51	1.74	2.62	0.92
1972-73 DELTA-P		-0.87	0.48	-2.17	3.35	-1.01	1.05	-1.25	-0.02	14.33*	6.54	-1.77	0.26	-1.48*	1.25	7.91	0.37	-2.11	-0.32	-1.21	2.15	-1.97
1972-73 SE OF DP		1.26	1.70	1.11	2.20	0.56	0.58	0.71	1.36	6.19	4.09	1.37	0.79	0.69	1.72	5.53	2.69	2.19	1.57	1.79	2.40	1.06
AGE: 17																						
1972-73 P-VALUE	4.09	4.20	4.60	3.80	3.87	2.83	5.31	3.08	8.56	10.41	12.80	6.30	4.41	1.83	7.42	3.13	6.53	4.54	4.76	3.05	6.26	3.19
1972-73 SE OF P-VAL	0.65	1.60	1.15	1.36	0.90	0.52	0.97	0.59	2.35	2.80	3.30	1.75	1.10	0.46	3.22	1.50	1.88	2.11	3.46	1.21	1.62	0.77
1972-73 DELTA-P		0.11	0.51	-0.29	-0.22	-1.26#	1.22#	-1.01#	4.47*	6.32#	8.71#	2.21	0.32	-2.26#	3.33	-0.96	2.44	0.45	0.67	-1.04	2.17	-0.90
1972-73 SE OF DP		1.26	1.10	1.15	0.89	0.46	0.43	0.39	2.05	2.18	2.39	1.58	0.61	0.62	2.96	1.57	1.92	1.86	3.57	1.19	1.47	0.72

EXERCISE: 203046-23   02101

Part 1.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	29.70	25.96	33.05	29.00	31.60	32.09	27.22	27.75	42.20	28.15	33.49	33.63	29.49	24.33	40.38	33.51	46.64	21.00	24.77	34.05	32.22	28.16
1972-73 SE OF P-VAL	1.43	2.26	2.32	3.13	3.36	1.58	2.06	1.53	4.09	4.56	4.46	4.27	2.19	1.85	2.74	4.30	11.24	5.38	2.63	3.84	4.38	2.06
1972-73 DELTA-P		-3.74	3.35	-0.70	1.90	2.39*	-2.48*	-1.95#	12.50#	-1.55	[illegible]	4.10	-0.21	-5.17#	10.69#	3.81	16.94	-8.70	-4.93	4.35	2.52	-1.56
1972-73 SE OF DP		2.19	2.28	2.41	2.83	1.12	1.16	0.76	3.65	[illegible]	4.10	3.48	1.87	1.25	2.75	3.72	10.81	5.11	2.81	1.62	4.02	1.81
AGE: 17																						
1972-73 P-VALUE	22.22	21.08	22.24	21.84	[illegible]	20.05	24.32	20.70	30.13	29.73	26.76	19.72	21.94	21.01	32.27	22.34	27.08	20.85	33.33	20.31	24.43	19.19
1972-73 SE OF P-VAL	1.55	2.13	2.27	2.69	4.46	1.74	2.01	1.79	3.18	4.00	3.59	2.57	1.94	2.71	2.63	2.08	3.19	5.56	4.12	4.43	4.55	1.84
1972-73 DELTA-P		-1.14	0.02	-0.38	1.51	-2.17	2.10	-1.52#	7.91*	7.51	4.56	-2.50	-0.28	-1.21	10.05#	0.12	4.86	-1.37	11.17#	-1.91	2.21	-3.03
1972-73 SE OF DP		2.14	2.34	2.43	3.42	1.09	1.07	0.51	3.21	3.89	4.04	2.73	1.71	1.50	3.06	2.82	3.41	4.73	4.13	3.61	4.23	1.76
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	14.15	16.15	9.23	17.34	12.22	15.51	12.74	15.74	7.65	8.37	11.16	11.87	13.50	17.95	7.93	8.23	6.83	17.49	20.84	11.23	11.90	15.26
1972-73 SE OF P-VAL	0.90	1.97	1.04	1.92	1.64	1.44	1.14	0.99	1.83	3.12	3.16	2.83	1.26	1.60	1.63	3.31	2.22	2.67	3.31	2.17	1.86	1.42
1972-73 DELTA-P		2.00	-4.92#	3.19*	-1.93	1.36	-1.41	1.59#	-6.50#	-5.78	-2.99	-2.28	-0.65	3.80#	-6.22*	-5.92	-7.32#	3.34	6.69*	-2.92	-2.25	1.11
1972-73 SE OF DP		1.65	1.21	1.46	1.51	0.92	0.95	0.43	1.80	1.08	2.95	2.77	1.18	1.09	1.65	3.05	2.27	2.46	3.00	2.19	1.80	1.25
AGE: 17																						
1972-73 P-VALUE	25.60	26.16	23.46	24.60	27.60	28.39	22.89	27.26	15.92	19.14	19.32	19.08	24.80	29.05	20.05	21.95	21.34	23.03	24.04	23.74	25.35	28.33
1972-73 SE OF P-VAL	1.82	1.55	3.01	2.53	5.69	3.02	1.49	2.01	2.43	3.75	1.67	3.56	2.13	3.01	3.00	3.68	2.75	2.66	3.13	2.85	4.02	3.10
1972-73 DELTA-P		0.56	-2.14	-1.00	2.00	2.79	-2.71	1.66#	-9.68#	-6.46*	-6.28	-6.52	-0.80	3.45*	-5.55	-3.61	-4.26	-2.57	-1.55	-1.86	-0.25	3.13
1972-73 SE OF DP		2.10	2.97	2.53	4.27	1.54	1.60	0.40	3.13	2.93	3.79	3.56	2.04	1.65	2.93	3.94	3.00	2.75	3.34	2.93	3.43	1.89
RESPONSE: 03 AGE: 13 TEXT: I Don't Kn .																						
1972-73 P-VALUE	12.17	10.42	12.98	10.60	15.37	10.37	14.04	11.76	8.14	24.49	17.93	6.94	13.80	11.23	11.56	26.15	8.09	10.48	10.44	11.27	11.77	10.54
1972-73 SE OF P-VAL	1.26	1.83	2.31	2.63	2.81	1.31	1.50	1.31	1.59	6.29	4.56	1.54	1.58	1.51	2.18	6.18	3.04	2.89	1.97	2.92	3.23	1.14
1972-73 DELTA-P		-1.75	0.81	-1.57	3.20	-1.80#	1.87#	-0.41	-4.03#	12.32*	5.76	-5.23#	1.63	-0.94	-0.61	13.98*	-4.08	-1.69	-1.73	-0.90	-0.40	-1.63
1972-73 SE OF DP		1.80	2.16	2.06	2.37	0.63	0.65	0.69	1.61	5.74	4.09	1.73	1.06	0.81	1.85	5.84	3.04	2.86	2.07	2.76	2.98	1.23
AGE: 17																						
1972-73 P-VALUE	8.56	10.82	9.15	6.97	7.33	6.67	10.39	8.19	10.22	10.84	17.50	11.13	9.42	5.97	11.02	4.55	9.22	9.03	7.83	9.39	10.34	8.20
1972-73 SE OF P-VAL	0.89	1.80	2.12	1.72	1.36	0.94	1.13	0.96	2.07	2.55	3.60	2.13	1.74	0.98	2.20	1.62	2.08	2.50	2.69	2.25	2.31	1.55
1972-73 DELTA-P		2.26	0.59	-1.59	-1.23	-1.89#	1.83#	-0.37	1.66	2.28	8.94#	2.57	0.86	-2.59#	2.46	-4.01*	0.66	0.47	-0.73	0.83	1.78	-0.36
1972-73 SE OF DP		1.47	1.87	1.49	1.28	0.54	0.55	0.31	1.93	2.46	3.26	1.99	1.29	0.88	2.09	1.82	2.19	2.25	2.61	2.15	2.15	1.09

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201046-23 UP181

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part 4.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	46.92	46.09	46.30	46.86	48.43	51.24	42.43	45.35	59.06	41.75	48.85	51.33	45.61	44.67	52.15	42.89	62.73	44.59	47.00	52.67	45.92	44.09
1972-73 SE OF P-VAL	1.70	2.81	3.41	3.51	3.63	1.76	2.18	1.77	3.43	4.45	[illegible]	4.11	2.17	2.59	2.85	4.05	7.85	4.91	3.65	4.48	4.92	2.62
1972-73 DELTA-P		-0.83	-0.62	-0.06	1.51	4.32#	-4.49#	-1.57*	12.14#	-5.17	1.93	4.41	-1.31	-2.25	5.23*	-4.03	15.81*	-2.33	0.08	5.75	-1.00	-2.83
1972-73 SE OF DP		2.63	3.11	2.76	3.15	1.01	1.05	0.66	2.81	4.47	4.15	4.20	1.67	1.62	2.16	3.76	7.57	4.71	3.39	3.89	4.59	2.32
AGE: 17																						
1972-73 P-VALUE	40.64	43.84	40.73	37.61	[illegible]	38.87	42.36	39.33	48.54	45.32	36.10	43.12	37.80	41.11	51.37	36.29	51.10	42.45	48.35	[illegible]	43.51	36.46
1972-73 SE OF P-VAL	1.60	1.99	2.59	2.79	4.49	2.09	1.98	1.78	3.39	3.81	4.70	2.81	2.11	2.64	4.41	2.95	4.30	5.41	4.16	5.87	5.56	1.77
1972-73 DELTA-P		3.20	0.09	-3.03	-0.43	-1.77	1.72	1.31#	7.90*	4.68	-4.54	2.48	-2.84	0.47	10.73*	-4.35	10.46#	1.81	7.71	-0.81	2.87	-4.18*
1972-73 SE OF DP		2.08	2.56	2.51	3.45	1.30	1.26	0.49	3.38	3.59	4.83	2.80	1.90	1.44	4.39	3.24	4.10	4.78	4.34	5.10	5.09	1.82
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	6.06	7.16	4.13	6.49	6.04	5.92	6.21	6.66	3.37	4.32	4.40	7.32	4.91	8.39	2.22	2.93	2.35	10.16	4.48	6.16	3.92	3.70
1972-73 SE OF P-VAL	0.69	1.56	0.64	1.39	1.55	0.97	0.95	0.80	1.16	2.35	1.23	2.26	1.15	1.22	0.73	1.23	1.35	2.33	1.27	2.05	0.90	1.25
1972-73 DELTA-P		1.10	-1.93*	0.43	-0.02	-0.14	0.15	0.60*	-2.69*	-1.74	-1.66	1.26	-1.15	2.33#	-3.84#	-3.13#	-3.71#	4.10	1.58	0.10	-2.14*	1.64
1972-73 SE OF DP		1.31	0.84	1.11	1.33	0.65	0.67	0.28	1.14	2.35	1.27	2.21	0.93	0.82	0.77	1.21	1.42	2.12	1.28	1.79	1.03	1.00
AGE: 17																						
1972-73 P-VALUE	12.96	12.16	10.69	15.55	12.99	15.57	10.42	14.36	4.59	7.89	9.63	10.08	11.45	15.67	7.59	15.86	[illegible]	13.36	12.84	12.18	10.69	15.02
1972-73 SE OF P-VAL	1.29	1.91	1.69	2.84	3.22	2.01	1.04	1.47	1.04	2.94	2.48	2.29	1.44	2.93	2.62	4.78	1.31	2.77	2.45	2.49	3.20	2.10
1972-73 DELTA-P		-0.80	-2.27	2.59	0.03	2.61#	-2.54#	1.40#	-8.37#	-5.07	-3.33	-2.88	-1.51	2.71#	-5.37	2.90	-9.14#	0.40	-0.12	-0.78	-2.27	2.06
1972-73 SE OF DP		1.82	1.85	2.36	2.55	0.96	0.97	0.34	1.48	3.06	2.42	2.28	1.22	1.07	2.91	4.49	1.81	2.62	2.61	2.54	2.95	1.22
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	17.11	15.63	16.42	16.66	19.88	14.17	20.16	17.50	9.47	27.25	20.17	10.48	18.85	18.10	13.21	32.79	9.72	15.98	15.23	14.78	14.81	16.50
1972-73 SE OF P-VAL	1.38	2.09	2.71	2.86	3.04	1.49	1.72	1.47	1.63	6.29	4.52	2.08	1.82	1.87	2.32	6.26	3.21	3.95	3.42	2.85	3.32	1.54
1972-73 DELTA-P		-1.48	-0.69	-0.45	2.77	-2.94#	3.05#	0.39	-7.64#	10.14	3.06	-6.53#	1.74	0.99	-3.90	15.69#	-7.39*	-0.13	-1.88	-2.33	-2.30	-0.61
1972-73 SE OF DP		2.02	2.49	2.25	2.59	0.83	0.87	0.69	1.64	5.79	4.02	1.93	1.38	1.11	2.12	5.67	3.33	3.78	3.18	2.69	3.12	1.56
AGE: 17																						
1972-73 P-VALUE	13.54	16.09	15.67	11.15	11.64	10.49	16.51	13.72	12.18	13.43	23.37	14.72	15.12	10.99	13.55	14.11	12.48	13.00	9.79	14.61	13.92	14.20
1972-73 SE OF P-VAL	1.07	2.31	2.14	2.01	1.80	1.15	1.35	1.18	2.21	2.77	3.89	2.57	1.92	1.30	3.41	2.55	2.34	3.32	2.80	2.91	3.06	1.81
1972-73 DELTA-P		2.55	2.13	-2.39	-1.90	-3.06#	2.97#	0.18	-1.36	-0.11	9.83#	1.18	1.58	-2.55*	0.01	0.57	-1.06	-0.54	-3.75	1.07	0.38	0.66
1972-73 SE OF DP		1.85	1.97	[illegible]	1.62	0.69	0.69	0.33	2.12	2.70	3.69	2.29	1.41	1.07	3.30	2.57	2.43	2.99	2.83	2.67	2.85	1.34

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201047-12

72-73 Report #: UP182

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple part multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	02-19	02-12

72-73 National P-val:

	9	13
UP182A	77.85	82.60
UP182B	48.91	53.44
UP182C	74.56	90.08
UP182D	94.63	92.80

Timing: (in seconds)

		9	13
	Stimulus:	16	17
	Response:	16	18
	I don't know:	5	5
	Pause:	4	4
	Turn page:	(6)	(6)
UP182A	Part total:	41**	44**
	Stimulus:	16	16
	Response:	16	17
	I don't know:	1	1
	Pause:	4	4
	Turn page:	(5)	(6)
UP182B	Part total:	37**	38**
	Stimulus:	15	17
	Response:	15	16
	I don't know:	1	1
	Pause:	4	4
	Turn page:	(6)	(6)
UP182C	Part total:	35**	38**
	Stimulus:	16	17
	Response:	16	16
	I don't know:	1	1
	Pause:	6	8
UP182D	Part total:	39	42
UP182	Exercise total:	152	162

**Time to turn page is not included in total times.

EXERCISE: 201047-12 UP182

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.17	0.24	0.00	0.29	0.13	0.00	0.34	0.12	0.54	0.00	0.00	0.00	0.17	0.14	0.23	0.00	0.73	0.51	0.00	0.00	0.25	0.00
1972-73 SE OF P-VAL	0.11	0.24	0.00	0.30	0.14	0.00	0.21	0.09	0.56	0.00	0.00	0.00	0.18	0.14	0.18	0.00	0.70	0.50	0.00	0.00	0.26	0.00
1972-73 DELTA-P		0.07	-0.17	0.12	-0.04	-0.17	0.17	-0.05	0.37	-0.17	-0.17	-0.17	0.00	-0.03	0.06	-0.17	0.56	0.34	-0.17	-0.17	0.08	-0.17
1972-73 SE OF DP		0.19	0.11	0.23	0.15	0.11	0.10	0.08	0.49	0.11	0.11	0.11	0.12	0.09	0.13	0.11	0.63	0.44	0.11	0.11	0.25	0.11
AGE: 13																						
1972-73 P-VALUE	0.15	0.00	0.00	0.20	0.37	0.00	0.30	0.07	0.00	1.57	0.00	0.00	0.33	0.14	0.00	0.00	0.00	0.00	0.48	0.60	0.00	0.00
1972-73 SE OF P-VAL	0.11	0.00	0.00	0.20	0.36	0.00	0.21	0.07	0.00	1.57	0.00	0.00	0.32	0.14	0.00	0.00	0.00	0.00	0.46	0.58	0.00	0.00
1972-73 DELTA-P		-0.15	-0.15	0.05	0.22	-0.15	0.15	-0.08	-0.15	1.42	-0.15	-0.15	0.18	-0.01	-0.15	-0.15	-0.15	-0.15	0.33	0.45	-0.15	-0.15
1972-73 SE OF DP		0.11	0.11	0.17	0.27	0.11	0.11	0.09	0.11	1.49	0.11	0.11	0.24	0.12	0.11	0.11	0.11	0.11	0.42	0.50	0.11	0.11
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	77.85	78.65	74.72	78.17	79.90	79.98	75.79	80.61	63.75	74.81	67.81	67.97	80.66	82.17	75.71	77.29	68.80	84.01	72.10	78.59	83.27	77.36
1972-73 SE OF P-VAL	0.90	1.52	1.48	1.73	2.44	1.09	1.46	0.97	2.82	4.36	4.40	4.69	1.98	1.75	1.45	2.13	2.99	2.48	4.40	2.33	1.88	1.63
1972-73 DELTA-P		0.80	-3.13*	0.32	2.05	2.13#	-2.06#	2.76#	-14.10#	-3.04	-10.04*	-9.88*	2.81	4.32#	-2.14	-0.56	-9.05#	6.16#	-5.75	0.74	5.42#	-0.49
1972-73 SE OF DP		1.37	1.41	1.50	2.01	0.70	0.67	0.67	2.56	4.10	4.57	4.62	1.63	1.43	1.19	2.15	2.78	2.43	4.23	2.15	1.78	1.28
AGE: 13																						
1972-73 P-VALUE	82.60	84.44	81.01	82.08	82.85	85.70	79.55	83.99	74.78	81.46	82.23	80.42	82.08	86.27	75.22	80.58	76.83	89.16	79.71	81.97	84.17	82.85
1972-73 SE OF P-VAL	1.13	2.36	2.42	2.06	2.19	1.17	1.71	1.25	2.90	3.43	3.55	3.54	1.70	1.51	2.59	3.36	3.11	2.39	2.47	2.93	2.16	1.96
1972-73 DELTA-P		1.84	-1.59	-0.52	0.25	3.10#	-3.05#	1.39#	-7.82#	-1.14	-0.37	-2.18	-0.52	3.67#	-7.38#	-2.02	-5.77	6.56#	-2.39	-0.63	1.57	0.25
1972-73 SE OF DP		2.02	2.12	1.77	1.92	0.95	0.91	0.51	2.71	3.45	3.59	3.20	1.31	1.04	2.20	3.18	2.95	2.27	2.36	2.51	2.00	1.56
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.13	0.74	2.16	0.50	1.23	1.43	0.84	0.63	3.33	2.47	2.49	0.90	0.85	0.17	1.79	2.50	1.69	0.00	0.63	1.33	0.28	1.26
1972-73 SE OF P-VAL	0.30	0.36	1.02	0.29	0.53	0.51	0.30	0.24	1.47	1.23	1.74	0.88	0.34	0.18	0.63	1.30	0.79	0.00	0.57	1.12	0.27	0.46
1972-73 DELTA-P		-0.39	1.03	-0.63	0.10	0.30	-0.29	-0.50#	2.20	1.34	1.36	-0.23	-0.28	-0.96#	0.66	1.37	0.56	-1.13#	-0.50	0.20	-0.85*	0.13
1972-73 SE OF DP		0.39	0.79	0.36	0.49	0.29	0.28	0.19	1.27	1.28	1.64	0.90	0.40	0.32	0.39	1.10	0.77	0.30	0.75	1.03	0.39	0.32
AGE: 13																						
1972-73 P-VALUE	0.33	0.19	0.34	0.35	0.45	0.41	0.26	0.14	1.02	1.40	1.22	0.42	0.51	0.17	0.00	0.00	0.68	0.00	0.33	0.95	0.53	0.11
1972-73 SE OF P-VAL	0.14	0.19	0.24	0.34	0.26	0.23	0.15	0.08	0.75	0.99	0.84	0.42	0.38	0.12	0.00	0.00	0.66	0.00	0.34	0.68	0.37	0.11
1972-73 DELTA-P		-0.14	0.01	0.02	0.12	0.08	-0.07	-0.19	0.69	1.07	0.89	0.09	0.18	-0.16	-0.33*	-0.33*	0.35	-0.33*	0.00	0.62	0.20	-0.22
1972-73 SE OF DP		0.19	0.22	0.26	0.23	0.14	0.13	0.12	0.65	0.95	0.79	0.40	[illegible]	0.14	0.14	0.14	0.64	0.14	0.33	0.58	0.34	0.15

EXERCISE: 201047-12 UP182

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.13	0.00	0.00	0.29	0.24	0.00	0.26	0.04	0.55	0.34	0.00	0.00	0.17	0.22	0.08	0.00	0.73	0.00	0.00	0.00	0.25	0.07
1972-73 SE OF P-VAL	0.09	0.00	0.00	0.30	0.17	0.00	0.17	0.04	0.56	0.34	0.00	0.00	0.18	0.16	0.08	0.00	0.70	0.00	0.00	0.00	0.26	0.07
1972-73 DELTA-P		-0.13	-0.13	0.16	0.11	-0.13	0.13	-0.09	0.42	0.21	-0.13	-0.13	0.04	0.09	-0.05	-0.13	0.60	-0.13	-0.13	-0.13	0.12	-0.06
1972-73 SE OF DP		0.09	0.09	0.22	0.15	0.09	0.08	0.08	0.49	0.33	0.09	0.09	0.11	0.09	0.09	0.09	0.63	0.09	0.09	0.09	0.24	0.10
AGE: 13																						
1972-73 P-VALUE	0.06	0.00	0.00	0.20	0.00	0.00	0.12	0.07	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.06	0.00	0.00	0.20	0.00	0.00	0.11	0.07	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
1972-73 DELTA-P		-0.06	-0.06	0.14	-0.06	-0.06	0.06	0.01	-0.06	-0.06	-0.06	-0.06	-0.06	0.08	-0.06	-0.06	-0.06	-0.06	0.42	-0.06	-0.06	-0.06
1972-73 SE OF DP		0.06	0.06	0.15	0.06	0.06	0.06	0.01	0.06	0.06	0.06	0.06	0.06	0.08	0.06	0.06	0.06	0.06	0.41	0.06	0.06	0.06
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	48.91	46.69	48.15	48.14	53.33	58.80	39.31	52.81	31.32	39.49	45.48	35.10	46.60	53.78	48.74	47.57	32.09	52.27	42.99	51.18	56.21	50.99
1972-73 SE OF P-VAL	1.48	3.38	2.13	3.18	2.61	1.69	1.80	1.82	2.30	4.68	3.69	4.91	2.35	2.72	1.98	4.08	3.04	6.07	4.42	2.94	3.25	2.86
1972-73 DELTA-P		-2.22	-0.76	-0.77	4.42	9.89#	-9.60#	3.90#	-17.59#	-9.42	-3.43	-13.81#	-2.31	4.87*	-0.17	-1.34	-16.82#	3.36	-5.92	2.27	7.30*	2.08
1972-73 SE OF DP		2.70	2.13	2.63	2.45	1.05	0.99	0.74	2.40	4.75	3.56	4.96	2.02	2.03	1.38	4.05	3.05	5.37	4.78	2.87	3.10	2.24

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201047-12 UP182

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part B.

RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	53.44	51.61	53.02	57.72	50.72	60.82	46.18	54.58	48.09	[illegible]	48.86	54.01	51.89	54.68	54.58	53.11	52.05	61.22	54.19	44.17	51.97	55.76
1972-73 SE OF P-VAL	1.23	1.85	2.97	1.81	3.03	1.91	1.24	1.41	2.61	3.86	3.74	4.15	1.88	1.93	3.19	5.32	4.27	4.06	3.65	4.07	3.80	2.21
1972-73 DELTA-P		-1.83	-0.42	4.28*	-2.72	7.38#	-7.26#	1.14#	-5.35*	-3.46	-4.38	0.57	-1.55	1.24	1.14	-0.33	-1.39	7.78*	0.75	-9.27*	-1.47	2.32
1972-73 SE OF DP		1.81	2.52	1.73	2.45	1.08	1.06	0.52	2.49	3.79	3.87	3.71	1.89	1.29	2.74	5.22	4.30	3.80	3.35	3.79	3.76	1.98

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.18	0.39	1.42	1.46	[illegible]	0.70	1.64	0.99	1.85	2.03	3.69	0.52	0.29	0.69	1.75	1.71	1.43	0.33	0.63	1.51	0.28	1.56
1972-73 SE OF P-VAL	0.25	0.25	0.61	0.48	0.58	0.21	0.40	0.25	0.65	1.12	2.37	0.52	0.21	0.32	0.43	1.08	0.71	0.32	0.57	0.63	0.27	0.52
1972-73 DELTA-P		-0.79#	0.24	0.28	0.37	-0.48*	0.46*	-0.19	0.67	0.85	2.51	-0.66	-0.89#	-0.49	0.57	0.53	0.25	-0.85*	-0.55	0.33	-0.90#	0.38
1972-73 SE OF DP		0.30	0.51	0.41	0.49	0.21	0.20	0.12	0.55	1.09	2.25	0.52	0.30	0.30	0.30	0.96	0.69	0.37	0.57	0.60	0.35	0.39

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.30	0.11	0.66	0.08	0.40	0.21	0.39	0.19	0.84	0.63	1.44	0.73	0.14	0.17	0.21	0.00	0.42	0.00	0.46	0.00	0.52	0.47
1972-73 SE OF P-VAL	0.10	0.11	0.36	0.08	0.20	0.12	[illegible]	0.07	0.56	0.63	1.01	0.52	0.10	0.12	0.21	0.00	0.42	0.00	0.37	0.00	0.37	0.25
1972-73 DELTA-P		-0.19	0.36	-0.22	0.10	-0.09	0.09	-0.11	0.54	0.33	1.14	0.43	-0.16	-0.13	-0.09	-0.30#	0.12	-0.30#	0.16	-0.30#	0.22	0.17
1972-73 SE OF DP		0.13	0.28	0.12	0.17	0.11	[illegible]	0.08	0.49	0.60	0.95	0.48	0.12	0.12	0.22	0.10	0.41	0.10	0.34	[illegible]	0.34	0.19

EXERCISE: 201047-12 UP182

Part C.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.10	0.11	0.00	0.15	0.18	0.06	0.14	0.04	0.47	0.00	0.00	0.00	0.18	0.00	0.15	0.00	0.63	0.00	0.00	0.00	0.26	0.00
1972-73 SE OF P-VAL	0.06	[illegible]	0.00	0.15	0.14	0.06	0.10	0.04	0.35	0.00	0.00	0.00	[illegible]	0.00	0.10	0.00	0.42	0.00	0.00	0.00	0.26	0.00
1972-73 DELTA-P		0.01	-0.10	0.05	0.04	-0.04	0.04	-0.06	0.37	-0.10	-0.10	-0.10	0.08	-0.10	0.05	-0.10	0.53	-0.10	-0.10	-0.10	0.16	-0.10
1972-73 SE OF DP		0.09	0.06	0.12	0.12	0.06	0.06	0.05	0.30	0.06	0.06	0.06	0.14	0.06	0.07	0.06	0.38	0.06	0.06	0.06	[illegible]	0.06

AGE: 13

Response did not occur at this age.

RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	74.56	73.50	65.78	78.64	80.55	76.01	73.16	77.91	59.29	66.88	63.75	68.92	75.65	80.04	72.21	70.05	57.81	78.17	72.76	75.73	82.49	77.01
1972-73 SE OF P-VAL	1.21	1.56	3.06	2.23	2.13	1.64	1.54	1.24	2.72	3.66	4.01	5.15	2.00	1.86	1.80	5.23	3.66	3.37	3.24	2.46	3.58	1.77
1972-73 DELTA-P		-1.06	-8.78#	4.08*	5.99#	1.45	-1.40	3.35#	-15.27#	-7.68*	-10.81#	-5.64	1.09	5.48#	-2.35*	-4.51	-16.75#	3.61	-1.80	1.17	7.93*	2.85
1972-73 SE OF DP		1.60	2.46	1.98	1.92	1.03	1.00	0.60	2.24	3.65	3.93	4.89	1.72	1.59	1.16	4.60	3.43	3.25	[illegible]	2.40	3.26	1.61

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	90.08	89.87	87.48	92.29	90.12	91.07	89.10	92.19	80.68	82.47	[illegible]	90.03	91.05	91.56	[illegible]	87.81	81.93	90.79	88.52	93.09	89.97	91.41
1972-73 SE OF P-VAL	0.70	1.20	1.56	1.48	1.41	0.95	0.89	0.66	2.09	3.29	2.94	2.03	1.09	0.96	1.97	1.52	3.52	1.94	2.01	1.25	2.49	1.00
1972-73 DELTA-P		-0.21	-2.60	2.21	0.04	0.99	-0.98	2.11#	-9.40#	-7.61*	-6.19*	-0.05	0.97	1.48	-3.00	-2.27	-8.15*	0.71	-1.56	3.01#	-0.11	1.33
1972-73 SE OF DP		1.11	1.37	1.20	1.23	0.59	0.58	0.40	1.90	[illegible]	2.78	1.96	1.00	0.76	1.63	1.52	3.35	1.85	1.84	1.12	2.29	0.89

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.03	1.09	2.01	0.59	0.40	0.54	1.51	0.80	1.81	2.17	1.57	0.75	0.48	0.28	1.81	1.16	3.36	0.55	0.96	0.25	0.38	1.02
1972-73 SE OF P-VAL	0.21	0.45	0.56	0.30	0.29	0.19	0.37	0.20	0.77	1.22	0.83	0.74	0.28	0.20	0.46	0.90	1.21	0.40	0.60	0.24	0.39	0.37
1972-73 DELTA-P		0.06	0.98*	-0.44	-0.63*	-0.49*	0.48*	-0.23	0.78	1.14	0.54	-0.28	-0.55	-0.75*	0.78#	0.13	2.33*	-0.48	-0.07	-0.78*	-0.65	-0.01
1972-73 SE OF DP		0.37	0.45	0.30	0.30	0.21	0.20	0.18	0.69	1.16	0.77	0.78	0.30	[illegible]	0.28	0.83	1.11	0.41	0.60	0.34	0.40	0.32

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.27	0.19	0.24	0.11	0.57	0.34	0.21	0.14	0.56	1.40	1.22	0.42	0.00	0.30	0.20	0.17	1.17	0.00	0.23	0.30	0.29	0.21
1972-73 SE OF P-VAL	0.11	0.19	0.18	0.11	0.35	0.15	0.16	0.08	0.32	0.99	0.84	0.42	0.00	0.16	0.19	0.17	0.78	0.00	[illegible]	0.29	0.28	0.15
1972-73 DELTA-P		-0.08	-0.03	-0.16	0.30	0.07	-0.06	-0.13	0.29	1.13	0.95	0.15	-0.27*	0.03	-0.07	-0.10	0.90	-0.27*	[illegible]	0.03	0.02	-0.06
1972-73 SE OF DP		0.18	0.17	0.13	0.27	0.11	0.11	0.07	0.29	0.92	0.76	0.40	0.11	0.10	0.19	0.19	0.70	0.11	[illegible]	0.26	0.26	0.11

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                         NATION |        REGION                   |      SEX        |        RACE            |          PARENTAL EDUCATION                |               SIZE-AND-TYPE OF COMMUNITY
                                | NORTH   SOUTH                   |                 |                 OTHER  |          SOME    GRAD    POST               |EXTREME  LOW     HIGH    MAIN    URBAN   MEDIUM  SMALL
                         _______|_EAST____EAST_CENTRAL___WEST___|__MALE___FEMALE_|_WHITE___BLACK___RACE__|_NO HS____HS______HS______HS____UNKNOWN_|_RURAL___METRO___METRO_BIG CITY_FRINGE___CITY____PLACES

EXERCISE: 201047-12     UP182

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part D.

RESPONSE:  00    AGE:  9         TEXT:  No Response.

    1972-73 P-VALUE       0.17    0.11    0.00    0.41    0.14     0.20    0.14     0.13    0.47    0.00     0.00    0.00    0.18    0.00    0.32     0.00    0.63    0.54    0.00    0.00    0.26    0.00
    1972-73 SE OF P-VAL   0.09    0.10    0.00    0.29    0.14     0.15    0.10     0.09    0.35    0.00     0.00    0.00    0.18    0.00    0.20     0.00    0.42    0.53    0.00    0.00    0.26    0.00
    1972-73 DELTA-P              -0.06   -0.17    0.24   -0.03     0.03   -0.03    -0.04    0.30   -0.17    -0.17   -0.17    0.01   -0.17    0.15    -0.17    0.46    0.37   -0.17   -0.17    0.09   -0.17
    1972-73 SE OF DP              0.11    0.09    0.22    0.13     0.09    0.09     0.05    0.31    0.09     0.09    0.09    0.16    0.09    0.12     0.09    0.38    0.47    0.09    0.09    0.24    0.09

                  AGE:  13

    1972-73 P-VALUE       0.03    0.00    0.12    0.00    0.00     0.00    0.06     0.04    0.00    0.00     0.00    0.00    0.00    0.07    0.00     0.00    0.00    0.00    0.00    0.00    0.00    0.09
    1972-73 SE OF P-VAL   0.03    0.00    0.12    0.00    0.00     0.00    0.05     0.03    0.00    0.00     0.00    0.00    0.00    0.07    0.00     0.00    0.00    0.00    0.00    0.00    0.00    0.09
    1972-73 DELTA-P              -0.03    0.09   -0.03   -0.03    -0.03    0.03     0.01   -0.03   -0.03    -0.03   -0.03   -0.03    0.04   -0.03    -0.03   -0.03   -0.03   -0.03   -0.03   -0.03    0.06
    1972-73 SE OF DP              0.03    0.10    0.03    0.03     0.03    0.03     0.01    0.03    0.03     0.03    0.03    0.03    0.04    0.03     0.03    0.03    0.03    0.03    0.03    0.03    0.06

RESPONSE:  02*   AGE.  9         TEXT:  All Acceptable Responses.

    1972-73 P-VALUE      94.63   94.82   93.28   95.41   94.96    93.93   95.31    95.25   91.07   94.85    91.75   90.70   94.95   94.86   95.09    93.68   90.30   96.25   92.84   95.20   93.71   96.16
    1972-73 SE OF P-VAL   0.56    0.99    1.63    0.91    0.86     0.87    0.71     0.66    1.50    2.02     2.89    2.47    1.12    0.99    0.76     1.58    1.95    1.26    1.63    1.43    1.75    0.75
    1972-73 DELTA-P               0.19   -1.35    0.78    0.33    -0.70    0.68     0.62*  -3.56•   0.22    -2.88   -3.93    0.32    0.23    0.46    -0.95   -4.33*   1.62   -1.79    0.57   -0.92    1.53*
    1972-73 SE OF DP              0.87    1.30    0.85    0.85     0.57    0.55     0.26    1.39    2.03     2.69    2.40    1.01    0.74    0.63     1.47    1.84    1.17    1.56    1.24    1.59    0.63

                  AGE:  13

    1972-73 P-VALUE      92.80   93.03   92.27   92.47   93.43    91.38   94.20    92.66   93.18   93.80    93.31   95.92   92.32   92.82   91.69    95.65   94.88   97.16   90.20   91.32   91.57   92.01
    1972-73 SE OF P-VAL   0.59    1.28    0.99    1.10    1.26     0.93    0.69     0.67    1.42    2.45     1.89    1.39    1.02    0.93    1.45     1.53    1.48    0.83    1.80    1.64    1.78    0.92
    1972-73 DELTA-P               0.23   -0.53   -0.33    0.63    -1.42*   1.40*   -0.14    0.38    1.00     0.51    3.12*  -0.48    0.02   -1.11     2.85*   2.08    4.36•  -2.60   -1.48   -1.23   -0.72
    1972-73 SE OF DP              1.09    0.94    0.93    1.07     0.57    0.59     0.29    1.38    2.31     1.89    1.38    0.90    0.65    1.23     1.38    1.47    0.91    1.74    1.42    1.69    0.79

RESPONSE:  09    AGE:  9         TEXT:  I Don't Know.

    1972-73 P-VALUE       0.40    0.53    0.72    0.14    0.20     0.55    0.25     0.26    1.37    0.00     1.05    0.00    0.20    0.15    0.64     0.00    1.04    0.42    1.32    0.40    0.00    0.28
    1972-73 SE OF P-VAL   0.12    0.26    0.35    0.15    0.20     0.21    0.12     0.12    0.49    0.00     0.79    0.00    0.14    0.15    0.25     0.00    0.60    0.42    0.73    0.28    0.00    0.20
    1972-73 DELTA-P               0.13    0.32   -0.26   -0.20     0.15   -0.15    -0.14    0.97*  -0.40•    0.65   -0.40•  -0.20   -0.25    0.24    -0.40•   0.64    0.02    0.92    0.00   -0.40•  -0.12
    1972-73 SE OF DP              0.21    0.28    0.16    0.19     0.12    0.12     0.08    0.82    0.12     0.73    0.12    0.16    0.17    0.16     0.12    0.56    0.38    0.71    0.26    0.12    0.17

                  AGE:  13

    1972-73 P-VALUE       0.16    0.28    0.25    0.00    0.14     0.27    0.05     0.05    0.61    0.63     0.55    0.31    0.00    0.04    0.52     0.00    1.07    0.00    0.33    0.00    0.28    0.05
    1972-73 SE OF P-VAL   0.08    0.21    0.20    0.00    0.15     0.14    0.05     0.04    0.43    0.63     0.54    0.31    0.00    0.05    0.37     0.00    0.73    0.00    0.34    0.00    0.28    0.06
    1972-73 DELTA-P               0.12    0.09   -0.16*  -0.02     0.11   -0.11    -0.11    0.45    0.47     0.39    0.15   -0.16*  -0.12    0.36    -0.16*   0.91   -0.15*   0.17   -0.16*   0.12   -0.11
    1972-73 SE OF DP              0.17    0.16    0.08    0.13     0.08    0.08     0.07    0.37    0.60     0.51    0.29    0.08    0.08    0.31     0.08    0.68    0.08    0.31    0.08    0.26    0.08
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* The absolute value of this number is greater than 2.0 times its standard error.
• The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201048-1234

72-73 Report #: UP183

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Apparatus needed
Scoring Type: Professional
Administration Mode: Individual

Age:	9	13	17IS	Adult
72-73 Package-Exercise:	09-06	10-06	14-01	08-05
72-73 National P-val:				
UP183T1	77.07	89.89	92.36	94.86
UP183T2	55.49	45.78	32.14	33.45
UP183T3	61.73	79.57	88.84	85.65
UP183T4	.61	.47	.26	.34
UP183P	50.29	69.14	81.12	88.62

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 201048-1234 UP183

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Probe 1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	77.52	70.05	71.37	84.03	84.23	80.42	74.45	78.40	73.77	74.92	76.60	77.35	78.52	80.58	73.00	80.09	74.47	81.29	69.34	77.83	83.29	76.54
1972-73 SE OF P-VAL	1.47	3.81	2.42	2.40	2.74	1.52	2.12	1.62	2.94	3.93	5.41	4.74	2.48	2.04	2.20	3.89	4.49	3.13	4.14	3.29	3.43	2.70
1972-73 DELTA-P		-7.47*	-6.15#	6.51#	6.71#	2.90#	-3.07#	0.88	-3.75	-2.60	-0.92	-0.17	1.00	3.06*	-4.52#	2.57	-3.05	3.77	-8.18*	0.31	5.77	-0.98
1972-73 SE OF DP		3.08	2.29	2.14	2.48	1.18	1.13	0.59	2.67	3.68	5.34	4.19	2.08	1.26	1.77	3.69	4.10	2.87	3.90	3.10	3.37	2.06
AGE: 13																						
1972-73 P-VALUE	88.27	88.54	85.34	91.39	86.93	90.14	86.40	88.44	88.90	80.56	77.55	85.20	88.97	90.94	86.68	86.89	88.96	91.47	89.66	87.75	[illegible]	86.57
1972-73 SE OF P-VAL	1.16	1.31	3.72	1.97	1.88	1.44	1.27	1.31	2.25	3.13	5.09	2.98	1.28	1.02	3.01	2.86	2.71	2.05	2.27	[illegible]	2.27	2.77
1972-73 DELTA-P		0.27	-2.93	3.12	-1.34	1.87#	-1.87#	0.57	0.63	-7.71*	-10.72*	-3.07	0.70	2.67*	-1.59	-1.38	0.69	3.20	1.39	-0.52	1.16	-1.60
1972-73 SE OF DP		1.50	3.00	1.71	1.76	0.68	0.68	0.41	2.12	3.11	4.44	2.30	1.01	1.12	2.72	2.56	2.72	2.09	2.26	2.37	2.41	1.98
AGE: 17																						
1972-73 P-VALUE	91.85	92.85	87.33	95.47	90.40	95.32	88.54	92.49	87.38	91.32	85.17	87.51	91.36	94.12	[illegible]	92.93	89.27	94.86	96.40	88.66	94.50	90.52
1972-73 SE OF P-VAL	0.90	1.41	2.99	1.20	1.54	0.85	1.22	0.88	2.67	2.47	3.01	2.93	1.36	0.95	[illegible]	3.41	2.48	1.82	1.41	2.35	1.62	1.33
1972-73 DELTA-P		1.00	-4.52	3.62#	-1.45	3.47#	-3.31#	0.64*	-4.47*	-0.53	-6.68*	-4.34	-0.49	2.27#	[illegible]	1.08	-2.58	3.01	4.55#	-3.19	2.65	-1.33
1972-73 SE OF DP		1.32	2.45	[illegible]	1.40	0.59	0.58	0.30	2.18	2.62	2.89	2.42	1.01	0.72	1.87	3.30	2.20	1.71	1.31	1.91	1.55	1.14
AGE: Ad																						
1972-73 P-VALUE	92.54	95.07	87.42	95.69	90.88	95.97	89.27	93.92	83.39	88.36	90.97	91.86	93.09	95.07	81.27	88.41	84.66	93.27	93.49	93.70	94.76	93.96
1972-73 SE OF P-VAL	0.95	1.23	2.55	0.99	2.49	0.60	1.48	1.03	3.02	4.29	1.31	1.89	1.53	1.17	7.93	4.51	2.86	1.97	2.55	2.00	1.35	1.04
1972-73 DELTA-P		2.53	-5.12*	3.15#	-1.66	3.43#	-3.27#	1.38#	-9.15#	[illegible]	-1.57	-1.08	0.55	2.53#	-11.27	-4.13	-7.88#	0.73	0.95	1.16	2.22	1.42
1972-73 SE OF DP		1.28	2.13	1.15	1.98	0.67	0.66	0.37	2.84	[illegible]	1.01	1.67	1.08	0.91	7.69	4.06	2.66	1.83	2.29	1.71	1.47	0.86
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	1.34	2.30	1.34	0.82	0.93	1.28	1.28	1.43	1.43	0.00	0.00	0.00	1.06	1.16	2.21	0.50	0.00	2.38	2.42	2.17	0.63	1.12
1972-73 SE OF P-VAL	0.31	0.88	0.77	0.32	0.38	0.37	0.44	0.32	0.83	0.00	0.00	0.00	0.55	0.46	0.77	0.51	0.00	0.99	1.63	1.02	0.37	0.50
1972-73 DELTA-P		0.96	0.00	-0.52	-0.41	0.05	-0.06	0.09	0.09	-1.34#	-1.34#	-1.34#	-0.28	-0.16	0.87	-0.84	-1.34#	1.04	1.08	0.83	-0.71	-0.22
1972-73 SE OF DP		0.70	0.64	0.38	0.42	0.25	0.27	0.12	0.69	0.31	0.31	0.31	0.50	0.39	0.60	0.56	0.31	0.92	1.46	0.96	0.44	0.43
AGE: 13																						
1972-73 P-VALUE	0.47	0.23	0.67	0.12	0.95	0.27	0.67	0.54	0.18	0.14	0.11	0.00	0.39	0.77	0.25	1.01	0.50	0.00	0.00	0.67	0.00	0.75
1972-73 SE OF P-VAL	0.10	0.17	0.50	0.09	0.50	0.19	0.31	0.22	0.19	0.15	0.12	0.00	0.34	0.35	0.26	0.98	0.39	0.00	0.00	0.45	0.00	0.37
1972-73 DELTA-P		-0.24	0.20	-0.35	0.48	-0.20	0.20	0.07	-0.29	-0.33	-0.36	-0.47#	-0.08	0.30	-0.22	0.54	0.03	-0.47#	-0.47#	0.20	-0.47#	0.28
1972-73 SE OF DP		0.21	0.41	0.19	0.39	0.18	0.19	0.05	0.24	0.22	0.22	0.18	0.27	0.24	0.29	0.89	0.41	0.18	0.18	0.42	0.18	0.28
AGE: 17																						
1972-73 P-VALUE	0.85	0.82	1.12	0.49	1.07	0.74	0.96	0.56	3.07	0.67	0.48	2.66	1.55	0.07	0.00	0.40	1.56	0.00	0.30	2.13	0.00	0.97
1972-73 SE OF P-VAL	0.32	0.75	0.83	0.38	0.61	0.34	0.53	0.29	1.40	0.62	0.47	1.42	0.76	0.07	0.00	0.39	1.23	0.00	0.28	1.23	0.00	0.61
1972-73 DELTA-P		-0.03	0.27	-0.36	0.22	-0.11	0.11	-0.29	2.22	-0.18	-0.37	1.81	0.70	-0.78*	-0.85#	-0.45	0.71	-0.85#	-0.55	1.28	-0.85#	[illegible]
1972-73 SE OF DP		0.60	0.72	0.41	0.53	0.32	0.30	0.16	1.19	0.66	0.54	1.26	0.51	0.32	0.32	0.47	1.16	0.32	0.40	1.05	0.32	[illegible]
AGE: Ad																						
1972-73 P-VALUE	0.72	0.31	1.44	0.40	0.87	0.25	1.17	0.85	0.00	0.00	0.47	1.37	0.71	0.66	0.00	2.44	1.03	1.12	0.00	0.47	0.24	0.51
1972-73 SE OF P-VAL	0.29	0.24	1.12	0.29	0.47	0.15	0.55	0.34	0.00	0.00	0.39	0.72	0.33	0.42	0.00	1.89	0.74	0.79	0.00	0.47	0.24	0.28
1972-73 DELTA-P		-0.41	0.72	-0.32	0.15	-0.47	0.45	0.13#	-0.72*	-0.72*	-0.25	0.65	-0.01	-0.06	-0.72*	1.72	0.31	0.40	-0.72*	-0.25	-0.48	-0.21
1972-73 SE OF DP		0.33	0.89	0.35	0.44	0.29	0.28	0.05	0.29	0.29	0.22	0.53	0.28	0.33	0.29	1.66	0.73	0.73	0.29	0.50	0.36	0.19
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	13.45	20.03	15.40	9.67	8.76	10.06	17.04	12.59	16.48	17.41	17.32	13.75	12.74	10.01	17.74	12.74	18.80	8.49	19.53	13.15	10.06	13.54
1972-73 SE OF P-VAL	1.06	2.83	1.37	1.88	1.95	1.19	1.53	1.16	2.47	3.48	4.49	3.88	1.68	1.42	1.69	2.74	4.05	2.27	2.95	2.44	2.51	1.95
1972-73 DELTA-P		6.58#	1.95	-3.78*	-4.69#	-3.39#	3.59#	-0.86	3.03	3.96	3.87	0.30	-0.71	-3.44#	4.29#	-0.71	5.35	-4.96*	6.08*	-0.30	-3.39	0.09
1972-73 SE OF DP		2.26	1.45	1.63	1.78	0.86	0.87	0.48	2.28	3.32	4.35	3.47	1.39	0.87	1.49	2.56	3.65	2.33	2.91	2.33	2.40	1.45
AGE: 13																						
1972-73 P-VALUE	5.05	5.53	5.32	3.01	6.76	3.62	6.48	4.20	7.25	11.03	9.71	7.95	4.93	2.60	9.19	7.33	6.48	3.44	4.56	5.42	5.53	4.38
1972-73 SE OF P-VAL	0.62	1.19	0.96	0.82	1.76	0.63	0.93	0.58	1.55	3.38	2.69	2.22	0.76	0.69	2.45	2.24	1.53	1.31	1.81	1.71	1.50	0.78
1972-73 DELTA-P		0.48	0.27	-2.04#	1.71	-1.43#	1.43#	-0.85#	2.20	5.98	4.66	2.90	-0.12	-2.45#	4.14	2.28	1.43	-1.61	-0.49	0.37	0.48	-0.67
1972-73 SE OF DP		1.06	0.95	0.80	1.39	0.49	0.50	0.33	1.43	3.10	2.46	1.96	0.66	0.66	2.25	1.99	1.40	1.26	1.65	1.53	1.41	0.69

* The absolute value of this number is greater than 2.0 times its standard error.

# ,The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201048-1234 UP183

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Probe 1.

RESPONSE: 07 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.49	3.51	7.93	2.31	5.19	1.78	7.08	4.10	[illegible]	6.46	12.60	5.60	3.83	3.06	6.01	3.85	6.03	2.08	1.99	5.07	4.60	5.37
1972-73 SE OF P-VAL	0.60	1.25	1.5P	0.76	1.22	0.44	0.93	0.63	1.96	2.25	3.00	1.70	0.84	0.61	1.78	2.31	1.85	1.03	1.09	1.75	1.60	0.98
1972-73 DELTA-P		-0.98	3.44#	-2.18#	0.70	-2.71#	2.59#	-0.39	2.02	1.97	8.11#	2.11	[illegible]	-1.43#	1.52	[illegible]	1.54	-2.41*	-2.50*	0.58	0.11	0.88
1972-73 SE OF DP		1.04	1.36	0.78	1.05	0.45	0.43	0.26	1.76	2.28	2.89	1.46	0.59	0.46	[illegible]	2.24	1.78	0.99	1.16	1.53	1.40	0.78

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.65	2.70	6.52	2.54	3.42	1.33	5.86	2.85	8.32	7.25	4.35	3.58	[illegible]	1.94	17.09	5.74	8.59	2.96	2.69	3.21	2.40	2.89
1972-73 SE OF P-VAL	0.51	1.06	1.34	0.48	1.13	0.37	0.89	0.53	2.29	3.49	0.88	1.12	0.95	0.85	7.89	1.93	1.93	1.51	1.65	0.99	1.17	0.66
1972-73 DELTA-P		-0.95	2.87#	-1.11	-0.23	-2.32#	2.21#	-0.80#	4.67*	3.60	0.70	[illegible]	-0.10	-1.71*	3.44	2.09	4.94#	-0.69	-0.96	-0.44	-1.25	-0.76
1972-73 SE OF DP		0.91	1.14	0.61	0.94	0.47	0.46	0.23	2.13	3.51	0.84	1.10	0.72	0.80	7.69	1.78	1.79	1.36	1.58	1.00	1.16	0.51

EXERCISE: 201048-1234 UP183

Part 1.

RESPONSE: 00 AGE: 9 TEXT: No Response.

Response did not occur at this age.

AGE: 13

Response did not occur at this age.

AGE: 17

Response did not occur at this age.

AGE: Ad

Response did not occur at this age.

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	77.07	72.03	69.17	84.66	81.55	81.02	72.89	79.50	69.12	64.21	69.64	68.17	78.16	82.63	71.81	76.35	70.70	85.27	73.03	77.78	80.53	75.57
1972-73 SE OF P-VAL	1.29	2.62	2.81	1.72	3.09	1.62	1.84	1.41	2.88	4.65	5.11	5.27	2.26	1.73	2.17	4.66	4.30	2.34	3.12	3.11	3.05	2.22
1972-73 DELTA-P		-5.04*	-7.90#	7.59#	4.48	3.95#	-4.18#	2.43#	-7.95#	-12.86#	-7.43	-8.90	1.09	5.56#	-5.26#	-0.72	-6.37	8.20#	-4.04	0.71	3.46	-1.50
1972-73 SE OF DP		2.23	2.44	1.71	2.62	1.16	1.19	0.62	2.69	4.32	4.80	5.01	1.84	1.31	1.86	4.38	4.03	2.40	3.04	2.86	2.83	1.68

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	89.89	89.08	89.48	92.61	87.82	91.79	87.99	90.88	89.01	80.00	85.88	83.40	89.17	94.43	82.59	87.44	90.14	92.56	89.53	89.14	92.66	88.96
1972-73 SE OF P-VAL	0.84	1.55	1.42	1.37	2.20	0.94	1.21	0.83	1.79	3.47	3.46	3.35	1.50	0.99	3.30	2.96	1.99	1.83	1.90	2.33	1.58	1.17
1972-73 DELTA-P		-0.81	-0.41	2.72*	-2.07	1.90#	-1.90#	0.99#	-0.88	-9.89#	-4.01	-6.49*	-0.72	4.54#	-7.30*	-2.45	0.25	2.67	-0.36	-0.75	2.77	-0.93
1972-73 SE OF DP		1.39	1.36	1.22	1.77	0.67	0.68	0.37	1.63	3.18	3.40	3.13	1.14	0.97	3.07	2.67	1.89	1.62	1.69	2.03	1.56	1.00

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	92.36	92.80	87.49	95.20	92.65	95.73	89.15	93.05	88.02	90.62	83.83	88.68	91.98	94.84	91.93	93.24	88.60	96.78	97.03	93.54	90.96	90.48
1972-73 SE OF P-VAL	0.68	1.28	1.53	1.26	1.34	0.67	1.03	0.70	2.63	2.97	3.54	2.01	1.23	0.84	2.36	2.86	2.94	1.38	1.24	1.87	1.50	1.12
1972-73 DELTA-P		0.44	-4.87#	2.84#	0.29	3.37#	-3.21#	0.69	-4.34	-1.74	-8.53*	-3.68*	-0.38	2.48#	-0.43	0.88	-3.76	[illegible]	4.67#	1.18	-1.40	-1.88*
1972-73 SE OF DP		1.11	1.36	1.07	1.16	0.60	0.55	0.35	2.40	2.96	3.42	1.81	1.03	0.62	2.40	2.72	2.79	1.27	1.30	1.71	1.41	0.89

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	94.86	95.60	91.77	96.32	95.09	97.16	92.67	95.83	88.81	91.15	93.82	94.12	94.94	97.28	82.91	91.37	89.12	95.46	97.31	94.89	97.37	95.57
1972-73 SE OF P-VAL	0.67	1.65	1.48	0.66	1.42	0.61	1.00	0.70	2.68	3.55	1.03	1.46	1.09	0.97	7.89	1.89	2.31	1.70	1.65	1.57	1.20	0.94
1972-73 DELTA-P		0.74	-3.09*	1.46	0.23	2.30#	-2.19#	0.97#	-6.05*	-3.71	-1.04	-0.74	0.08	2.42#	-11.95	[illegible]	-5.74#	0.60	2.45	0.03	2.51*	0.71
1972-73 SE OF DP		1.34	1.31	0.80	1.19	0.51	0.49	0.28	2.49	3.57	0.89	1.30	0.77	0.96	7.64	[illegible]	2.02	1.49	1.62	1.46	1.24	0.65

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201048-1234 UP183

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part 2.

RESPONSE: 00 AGE: 9 TEXT: No Response.

Response did not occur at this age.

AGE: 13

Response did not occur at this age.

AGE: 17

Response did not occur at this age.

AGE: Ad

Response did not occur at this age.

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	55.49	52.27	51.59	50.26	59.77	58.00	52.83	55.45	58.41	48.97	61.90	50.63	57.89	57.65	50.57	55.62	59.26	55.37	50.14	54.12	58.74	55.66
1972-73 SE OF P-VAL	1.24	2.90	2.02	2.35	2.40	1.60	1.92	1.41	2.66	4.89	6.00	4.79	2.32	1.88	2.22	4.31	4.12	4.05	4.68	2.67	3.02	1.79
1972-73 DELTA-P		-3.22	-3.90*	2.77	4.28	2.51*	-2.66*	-0.04	2.92	-6.52	6.41	-4.86	2.40	2.16	-4.92#	0.13	3.77	-0.12	-5.35	-1.37	3.25	0.17
1972-73 SE OF DP		2.38	1.89	[illegible]	2.16	1.24	1.29	0.53	2.63	4.65	6.02	4.52	2.21	1.20	1.81	4.28	3.77	3.81	4.06	2.37	2.73	1.76
AGE: 13																						
1972-73 P-VALUE	45.78	46.22	47.93	42.07	47.83	41.63	49.94	43.93	57.45	46.48	50.34	42.66	48.50	44.32	41.25	37.63	54.05	42.46	48.23	50.98	47.25	44.29
1972-73 SE OF P-VAL	1.60	2.80	3.11	3.75	2.70	1.71	2.19	1.70	3.30	4.40	4.14	3.91	2.55	2.17	3.71	3.71	5.42	4.23	3.33	3.63	4.19	2.36
1972-73 DELTA-P		0.44	2.15	-3.71	2.05	-4.15#	4.16#	-1.85#	11.67#	0.70	4.56	-3.12	2.72	-1.46	-4.53	-8.15*	8.27	-3.32	2.45	5.20	1.47	-1.49
1972-73 SE OF DP		2.57	2.81	2.90	2.51	1.12	1.16	0.54	2.97	4.12	3.87	3.40	1.85	1.45	3.78	3.66	5.26	3.80	3.16	3.15	3.65	1.96
AGE: 17																						
1972-73 P-VALUE	32.14	32.80	35.14	29.42	32.05	27.25	36.80	29.81	47.42	36.63	36.96	31.38	36.15	29.08	29.23	30.86	43.70	31.15	29.60	30.05	28.45	33.00
1972-73 SE OF P-VAL	1.40	2.75	2.34	2.31	3.49	1.64	2.07	1.54	2.79	4.13	5.13	4.13	2.40	1.81	4.05	2.68	4.08	3.07	3.32	3.88	4.01	2.09
1972-73 DELTA-P		0.66	3.00	-2.72	-0.09	-4.89#	4.66#	-2.33#	15.20#	4.49	4.82	-0.76	4.01*	-3.06#	-2.91	-1.28	11.56#	-0.99	-2.54	-2.09	-3.69	0.86
1972-73 SE OF DP		2.34	2.30	2.07	2.82	1.42	1.34	0.51	2.77	3.74	4.57	3.96	1.99	1.22	4.01	2.77	3.91	2.97	3.42	3.33	3.50	1.63
AGE: Ad																						
1972-73 P-VALUE	33.45	34.91	37.84	31.71	30.25	24.38	42.09	31.50	53.35	25.77	37.88	35.05	32.56	28.57	40.78	33.30	37.31	31.15	41.20	28.47	33.78	32.94
1972-73 SE OF P-VAL	1.44	2.94	3.20	2.23	3.32	1.76	2.03	1.46	4.05	4.54	2.78	2.77	2.20	2.68	7.76	3.37	3.86	3.71	6.59	4.26	3.26	2.42
1972-73 DELTA-P		1.46	4.43	-1.74	-3.20	-9.07#	8.64#	-1.95#	19.90#	-7.68	4.43	1.60	-0.89	-4.88*	7.33	-0.15	3.86	-2.30	7.75	-4.98	0.33	-0.51
1972-73 SE OF DP		2.51	2.85	2.09	2.73	1.30	1.26	0.55	3.81	4.64	2.29	2.49	1.82	2.12	7.81	3.53	3.59	3.44	6.26	4.08	3.16	1.85

EXERCISE: 201048-1234 UP183

Part 3.

RESPONSE: 00 AGE: 9 TEXT: No Response.

Response did not occur at this age.

AGE: 13

Response did not occur at this age.

AGE: 17

Response did not occur at this age.

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201048-1234 UP183

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part 3.

RESPONSE: 00 AGE: Ad TEXT: No Response.

Response did not occur at this age.

RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	61.73	55.75	57.67	68.63	64.05	65.78	57.45	63.63	53.54	56.52	51.19	49.75	62.42	66.03	59.39	60.38	50.89	67.43	61.21	63.55	58.21	63.57
1972-73 SE OF P-VAL	1.35	3.33	2.36	2.47	2.39	1.77	1.59	1.49	3.14	3.60	4.87	6.78	2.54	1.83	2.16	3.67	6.35	4.29	3.41	3.61	4.31	2.36
1972-73 DELTA-P		-5.98*	-4.06	6.90#	2.32	4.05#	-4.28#	1.90#	-8.19#	-5.21	-10.54*	-11.98	0.69	4.30#	-2.34	-1.35	-10.84	5.70	-0.52	1.82	-3.52	1.84
1972-73 SE OF DP		2.72	2.21	2.09	2.23	1.03	1.05	0.64	2.87	3.54	4.71	6.46	1.98	1.45	1.78	3.50	5.88	3.83	3.54	3.38	4.12	2.09
AGE: 13																						
1972-73 P-VALUE	79.57	78.34	74.68	87.96	[illegible]	82.74	76.40	83.30	62.67	66.43	67.16	70.39	80.19	85.54	71.36	77.11	67.72	82.05	83.40	76.22	76.70	83.20
1972-73 SE OF P-VAL	1.46	2.72	3.52	2.03	[illegible]	1.68	1.79	1.33	4.12	4.77	4.10	4.08	1.81	1.73	3.99	5.64	4.80	3.13	2.93	4.75	3.49	1.62
1972-73 DELTA-P		-1.23	-4.89	8.39#	-4.37	3.17#	-3.17#	3.73#	-16.90#	-13.14#	-12.41#	-9.18#	0.62	5.97#	-8.21*	-2.46	-11.85#	2.48	3.83	-3.35	-2.87	3.63*
1972-73 SE OF DP		2.45	3.02	1.91	2.85	0.90	0.91	0.75	3.58	4.34	3.69	3.18	1.44	1.42	3.60	4.90	4.44	3.08	2.91	4.23	3.22	1.47
AGE: 17																						
1972-73 P-VALUE	88.84	88.41	82.79	93.18	89.34	93.92	[illegible]	91.23	76.76	76.01	76.90	86.26	88.48	92.54	79.50	89.42	79.57	95.86	90.60	90.50	90.99	86.56
1972-73 SE OF P-VAL	0.87	1.62	2.51	1.45	1.47	0.84	[illegible]	0.87	3.37	4.69	3.41	2.07	1.71	0.94	3.75	3.03	3.67	1.41	2.17	2.15	1.52	1.39
1972-73 DELTA-P		-0.43	-6.05#	4.34#	0.50	5.08#	-4.85#	2.39#	-12.08#	-12.83#	-11.94#	-2.58	-0.36	3.70#	-9.34#	0.58	-9.27#	7.02#	1.76	1.66	2.15	-2.28*
1972-73 SE OF DP		1.40	2.15	1.28	1.34	0.68	0.67	0.49	3.08	4.62	3.21	2.15	1.24	0.80	3.62	2.90	3.45	1.24	2.11	2.03	1.44	1.07
AGE: Ad																						
1972-73 P-VALUE	85.65	84.62	80.13	89.14	87.43	91.01	80.54	88.74	62.73	80.99	78.39	83.34	88.49	92.81	62.82	85.87	74.65	89.85	78.44	87.08	86.17	87.99
1972-73 SE OF P-VAL	0.95	2.33	2.40	1.42	1.59	1.16	1.33	0.93	5.39	4.85	2.02	2.66	1.72	1.54	7.28	2.81	[illegible]	2.16	5.32	2.80	2.63	1.31
1972-73 DELTA-P		-1.03	-5.52#	3.49#	1.78	5.36#	-5.11#	3.09#	-22.92#	-4.66	-7.26#	-2.26	2.84*	7.16#	-22.83#	0.22	[illegible]	4.20	-7.21	1.43	0.52	2.34*
1972-73 SE OF DP		1.89	2.11	1.35	1.45	0.79	0.82	0.59	4.97	5.24	1.88	2.35	1.30	1.51	7.08	2.72	3.50	2.12	5.00	2.67	2.42	1.09

EXERCISE: 201048-1234 UP183

Part 4.

RESPONSE: 00 AGE: 9 TEXT: No Response.

Response did not occur at this age.

AGE: 13

Response did not occur at this age.

AGE: 17

Response did not occur at this age.

AGE: Ad

Response did not occur at this age.

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.61	1.37	0.29	0.58	0.13	0.85	0.35	0.77	0.00	0.00	0.00	0.00	0.72	1.18	0.00	0.25	0.00	0.91	0.00	0.76	1.81	0.41
1972-73 SE OF P-VAL	0.21	0.65	0.30	0.34	0.14	0.32	0.20	0.26	0.00	0.00	0.00	0.00	0.39	0.41	0.00	0.25	0.00	0.63	0.00	0.56	1.08	0.24
1972-73 DELTA-P		0.76	-0.32	-0.03	-0.48*	0.24	-0.26	0.16#	-0.61#	-0.61#	-0.61#	-0.61#	0.11	0.57*	-0.61#	-0.36	-0.61#	0.30	-0.61#	0.15	1.20	-0.20
1972-73 SE OF DP		0.50	0.30	0.38	0.23	0.16	0.17	0.06	0.21	0.21	0.21	0.21	0.28	0.25	0.21	0.30	0.21	0.58	0.21	0.52	0.93	0.25

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201048-1234 UP183

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part 4.

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.47	0.33	0.50	0.67	0.34	0.50	0.44	0.38	1.34	0.00	0.51	1.17	0.42	0.28	0.76	0.15	0.97	0.00	1.08	0.88	0.00	0.46
1972-73 SE OF P-VAL	0.17	0.25	0.29	0.40	0.30	0.24	0.20	0.16	0.80	0.00	0.51	0.90	0.31	0.15	0.51	0.16	0.68	0.00	0.63	0.66	0.00	0.26
1972-73 DELTA-P		[illegible]	0.03	0.20	-0.13	0.03	-0.03	-0.09	0.87	-0.47#	0.04	0.70	-0.05	-0.19	0.29	-0.32	0.50	-0.47#	0.61	0.41	-0.47#	-0.01
1972-73 SE OF DP		0.24	0.28	0.30	0.27	0.15	0.15	0.11	0.71	0.17	0.49	0.84	0.24	0.16	0.47	0.21	0.66	0.17	0.56	0.57	0.17	0.23
AGE: 17																						
1972-73 P-VALUE	0.26	0.26	0.00	0.31	0.40	0.18	0.34	0.31	0.00	0.00	0.00	0.64	0.27	0.23	0.00	0.00	0.00	0.00	0.00	0.56	1.31	0.00
1972-73 SE OF P-VAL	0.14	0.26	0.00	0.31	0.35	0.18	0.22	0.17	0.00	0.00	0.00	0.64	0.27	0.19	0.00	0.00	0.00	0.00	0.00	0.46	0.91	0.00
1972-73 DELTA-P		0.00	-0.26	0.05	0.14	-0.08	0.08	0.05	-0.26	-0.26	-0.26	0.38	0.01	-0.03	-0.26	-0.26	-0.26	-0.26	-0.26	0.30	1.05	-0.26
1972-73 SE OF DP		0.23	0.14	0.25	0.28	0.14	0.14	0.03	0.14	0.14	0.14	0.58	0.22	0.15	0.14	0.14	0.14	0.14	0.14	0.41	0.79	0.14
AGE: Ad																						
1972-73 P-VALUE	0.34	0.43	0.31	0.53	0.07	0.27	0.41	0.24	1.17	0.35	0.89	0.14	0.30	0.00	0.00	0.50	0.34	0.00	0.50	0.56	0.48	0.28
1972-73 SE OF P-VAL	0.14	0.22	0.24	0.41	0.07	0.14	0.18	0.11	0.64	0.33	0.33	0.14	0.23	0.00	0.00	0.36	0.34	0.00	0.50	0.56	0.47	0.16
1972-73 DELTA-P		0.09	-0.03	0.19	-0.27	-0.07	0.07	-0.10	0.83	0.01	0.55#	-0.20	-0.04	-0.34*	-0.34*	0.16	0.00	-0.34*	0.16	0.22	0.14	-0.06
1972-73 SE OF DP		0.21	0.23	0.31	0.15	0.08	0.08	0.07	0.54	0.34	0.22	0.18	0.14	0.14	0.14	0.35	0.33	0.14	0.40	0.46	0.45	0.17

EXERCISE: 201048-1234 UP183

Part 5.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.19	2.61	3.71	1.10	1.49	1.93	2.46	2.13	2.34	2.55	0.89	1.98	2.30	1.61	3.05	3.43	1.14	1.61	2.22	0.44	2.94	2.64
1972-73 SE OF P-VAL	0.44	0.84	1.38	0.48	0.62	0.53	0.70	0.53	0.78	0.93	0.68	1.20	0.85	0.47	1.03	1.57	0.70	0.94	1.30	0.31	1.20	0.81
1972-73 DELTA-P		0.42	1.52	-1.09	-0.70	-0.26	0.27	-0.06	0.15	0.36	-1.30	-0.21	0.11	-0.58	0.86	1.24	-1.05	-0.58	0.03	-1.75#	0.75	0.45
1972-73 SE OF DP		0.74	1.09	0.55	0.63	0.42	0.45	0.17	0.78	1.00	0.85	1.17	0.77	0.42	0.72	1.37	0.80	0.93	1.20	0.56	1.11	0.55
AGE: 13																						
1972-73 P-VALUE	0.51	0.56	0.47	0.53	0.48	[illegible]	0.48	0.50	0.84	0.00	0.83	0.39	0.81	0.34	0.00	0.78	0.34	0.80	0.53	0.86	0.35	0.26
1972-73 SE OF P-VAL	0.18	0.30	0.35	0.31	0.48	[illegible]	0.22	0.20	0.61	0.00	0.63	0.39	0.34	0.29	0.00	0.57	0.34	0.64	0.38	0.81	0.26	0.21
1972-73 DELTA-P		0.05	-0.04	0.02	-0.03	[illegible]	-0.03	-0.01	0.33	-0.51#	0.32	-0.12	0.30	-0.17	-0.51#	0.27	-0.17	0.29	0.02	0.35	-0.16	-0.25
1972-73 SE OF DP		0.28	0.32	0.27	0.38	[illegible]	0.16	0.09	0.56	0.18	0.58	0.40	0.25	0.22	0.18	0.52	0.37	0.59	0.38	0.71	0.26	0.22
AGE: 17																						
1972-73 P-VALUE	0.17	0.16	0.32	0.22	0.00	0.07	0.26	0.17	0.25	0.00	0.00	0.00	0.11	0.23	0.58	0.00	0.00	0.00	0.00	0.41	0.00	0.31
1972-73 SE OF P-VAL	0.09	0.17	0.23	0.22	0.00	0.07	0.16	0.10	0.26	0.00	0.00	0.00	0.11	0.17	0.58	0.00	0.00	0.00	0.00	0.40	0.00	0.18
1972-73 DELTA-P		-0.01	0.15	0.05	-0.17	-0.10	0.09	0.00	0.08	-0.17	-0.17	-0.17	-0.06	0.06	0.41	-0.17	-0.17	-0.17	-0.17	0.24	-0.17	0.14
1972-73 SE OF DP		0.15	0.20	0.17	0.09	0.09	0.09	0.03	0.24	0.09	0.09	0.09	0.11	0.10	0.56	0.09	0.09	0.09	0.09	0.34	0.09	0.13
AGE: Ad																						
1972-73 P-VALUE	0.19	0.22	0.34	0.15	0.08	0.04	0.33	0.18	0.39	0.00	0.08	0.26	0.00	0.49	0.00	0.00	0.42	0.43	0.00	0.00	0.00	0.24
1972-73 SE OF P-VAL	0.10	0.22	0.33	0.15	0.08	0.04	0.19	0.11	0.39	0.00	0.08	0.26	0.00	0.34	0.00	0.00	0.41	0.42	0.00	0.00	0.00	0.19
1972-73 DELTA-P		0.03	0.15	-0.04	-0.11	-0.15	0.14	-0.01	0.20	-0.19	-0.11	0.07	-0.19	0.30	-0.19	-0.19	0.23	0.24	-0.19	-0.19	-0.19	0.05
1972-73 SE OF DP		0.19	0.27	0.14	0.12	0.10	0.10	0.04	0.36	0.10	0.12	0.24	0.10	0.25	0.10	0.10	0.38	0.37	0.10	0.10	0.10	0.14
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	50.29	43.34	37.94	63.97	53.94	54.67	45.65	53.48	37.36	39.49	29.26	37.88	48.71	59.61	45.30	48.63	42.70	59.39	47.75	55.40	50.75	48.06
1972-73 SE OF P-VAL	1.83	2.68	4.03	3.39	4.13	2.20	2.23	1.95	4.63	5.33	5.42	5.06	3.13	2.35	2.63	5.82	5.68	4.03	4.81	4.46	4.18	2.93
1972-73 DELTA-P		-6.95#	-12.35#	13.68#	3.65	4.38#	-4.64#	3.19#	-12.93#	-10.80*	-21.03#	-12.41#	-1.58	9.32#	-4.99#	-1.66	-7.59	9.10*	-2.54	5.11	0.46	-2.23
1972-73 SE OF DP		2.61	3.48	2.83	3.56	1.24	1.30	0.85	4.16	5.07	5.26	4.82	2.45	1.72	1.89	5.22	5.19	3.95	4.53	4.14	3.88	2.22
AGE: 13																						
1972-73 P-VALUE	69.14	68.09	62.44	76.82	67.05	71.37	66.91	71.22	60.91	59.71	54.05	64.16	69.08	75.55	59.72	71.20	64.35	68.80	72.74	72.56	68.48	67.06
1972-73 SE OF P-VAL	1.63	2.66	5.02	2.27	2.70	1.86	2.19	1.85	3.81	3.92	4.24	4.67	2.14	1.57	3.98	4.73	4.50	3.90	3.83	4.31	3.14	3.47
1972-73 DELTA-P		-1.05	-6.70	7.68#	-2.09	2.23	-2.23	2.08#	-8.23*	-9.43*	-15.09#	-4.98	-0.06	6.41#	-9.42#	2.06	-4.79	-0.34	3.60	3.42	-0.66	-2.08
1972-73 SE OF DP		2.52	4.06	2.14	2.53	1.19	1.20	0.71	3.55	3.86	3.47	3.86	1.49	1.50	3.68	4.14	4.33	3.91	3.69	4.02	3.16	2.65

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201048-1234 DP183

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective II.

Part 5.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	81.12	80.59	74.52	87.12	80.33	85.89	76.58	82.85	69.52	78.37	64.28	77.29	79.50	85.74	80.90	83.19	74.11	82.19	86.16	85.69	80.15	79.11
1972-73 SE OF P-VAL	1.08	2.22	2.53	2.15	1.77	1.35	1.50	1.16	3.28	4.80	5.10	3.05	1.88	1.21	3.75	5.75	5.08	3.22	2.50	2.85	2.35	1.35
1972-73 DELTA-P		-0.53	-6.60#	6.00#	-0.79	4.77#	-4.54#	1.73#	-11.60#	-2.75	-16.84#	-3.83	-1.62	4.62#	-0.22	2.07	-7.01	1.07	5.04*	4.57	-0.97	-2.01
1972-73 SE OF DP		1.86	2.26	1.78	1.65	0.98	0.94	0.45	3.09	4.89	4.90	3.09	1.27	0.82	3.66	5.29	4.90	2.94	2.46	2.76	2.18	1.22
AGE: A4																						
1972-73 P-VALUE	86.62	88.02	84.70	92.74	88.01	90.34	86.98	90.16	77.25	86.25	86.32	87.72	88.47	93.13	70.82	83.59	80.25	90.59	90.14	88.39	95.21	88.97
1972-73 SE OF P-VAL	0.92	1.94	[illegible]	0.83	2.15	1.24	1.18	0.97	4.02	4.05	1.75	2.29	1.94	1.27	7.27	3.15	3.16	2.54	3.65	3.23	1.38	1.60
1972-73 DELTA-P		-0.60	[illegible]	4.12#	-0.61	1.72*	-1.64*	1.54#	-11.37#	-2.37	-2.30	-0.90	-0.15	4.51#	-17.80*	-5.03	-8.37#	1.97	1.52	-0.23	6.59#	0.35
1972-73 SE OF DP		1.65	[illegible]	1.07	1.76	0.79	0.77	0.39	3.70	4.28	1.54	1.95	1.40	1.41	7.27	3.03	2.97	2.58	3.52	2.89	1.49	1.23
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	3.23	3.55	4.70	1.70	3.23	3.47	2.98	3.03	3.88	4.26	6.47	3.18	[illegible]	2.41	3.84	3.67	3.49	2.69	2.75	4.80	1.15	2.84
1972-73 SE OF P-VAL	0.41	0.75	1.27	0.54	0.46	0.63	0.60	0.46	1.08	1.71	2.54	1.83	0.93	0.50	0.86	1.31	1.26	1.10	1.14	1.42	1.66	0.60
1972-73 DELTA-P		0.32	1.47	-1.53#	0.00	[illegible]	-0.25	-0.20	0.65	1.03	3.24	-0.05	-0.08	-0.82	0.61	0.44	0.26	-0.54	-0.48	1.57	-0.08	-0.39
1972-73 SE OF DP		0.69	1.02	0.58	0.77	0.42	0.44	0.20	0.98	1.60	2.34	1.91	0.76	0.44	0.70	1.25	1.22	1.05	1.11	1.27	1.43	0.58
AGE: 13																						
1972-73 P-VALUE	2.02	1.87	2.12	2.13	1.94	1.81	2.23	1.95	1.10	4.50	1.84	4.12	1.84	1.53	2.92	2.88	4.21	1.39	0.75	1.74	1.67	2.24
1972-73 SE OF P-VAL	0.31	0.48	0.74	0.60	0.62	0.44	0.50	0.33	0.64	2.04	0.95	1.73	0.48	0.58	1.24	1.49	1.87	1.01	0.43	0.81	0.84	0.57
1972-73 DELTA-P		-0.15	0.10	0.11	-0.08	-0.21	0.21	-0.07	-0.92	2.48	-0.18	2.10	-0.16	-0.49	0.90	0.86	2.19	-0.63	-1.27*	-0.28	-0.35	0.22
1972-73 SE OF DP		0.46	0.63	0.49	0.53	0.36	0.36	0.17	0.61	1.95	0.85	1.56	0.49	0.50	1.19	1.37	1.81	0.98	0.52	0.78	0.81	0.49
AGE: 17																						
1972-73 P-VALUE	1.87	2.04	1.98	1.84	1.63	1.58	2.14	2.06	0.53	1.72	2.56	2.75	1.87	1.62	1.28	1.39	0.14	3.00	1.20	1.14	2.58	2.20
1972-73 SE OF P-VAL	0.33	0.70	0.80	0.52	0.63	0.43	0.52	0.38	0.38	1.27	1.74	1.11	0.75	0.45	0.94	0.73	0.14	1.29	0.79	0.66	0.86	0.67
1972-73 DELTA-P		0.17	0.11	-0.03	-0.24	-0.29	0.27	0.19	-1.34#	-0.15	0.69	0.89	[illegible]	-0.25	-0.59	-0.48	-1.73#	1.13	-0.67	-0.73	0.71	0.33
1972-73 SE OF DP		0.58	0.70	0.48	0.55	0.36	0.34	0.10	0.46	1.27	1.72	1.09	[illegible]	0.39	0.98	0.71	0.37	1.21	0.79	0.67	0.82	0.48
AGE: A4																						
1972-73 P-VALUE	1.45	2.53	1.80	0.65	0.97	[illegible]	1.73	[illegible]	2.67	3.81	2.42	0.81	1.03	1.39	1.24	0.69	3.14	2.17	0.29	0.00	0.87	1.79
1972-73 SE OF P-VAL	[illegible]	0.74	0.70	0.37	0.42	0.45	0.43	[illegible]	1.20	1.72	0.79	0.42	0.31	0.52	1.39	0.59	1.33	1.09	0.29	[illegible]	0.51	0.53
1972-73 DELTA-P		1.08	0.35	-0.80*	-0.48	-0.29	0.28	-0.30*	[illegible]	2.36	0.97	-0.64	-0.42	-0.06	-0.21	-0.76	1.69	0.72	-1.16#	[illegible]	-0.58	0.34
1972-73 SE OF DP		0.60	0.61	0.37	0.41	0.34	0.33	0.14	1.10	1.60	0.60	0.46	0.35	0.42	1.38	0.54	1.18	1.06	0.36	0.28	[illegible]	0.40

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201049-

72-73 Report #: UP184

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Apparatus needed
Scoring Type: Professional
Administration Mode: Individual

Age: 9
72-73 Package-Exercise: 10-08

72-73 National P-val:

UP184A	8.83
UP184B	8.86
UP184C	1.92
UP184D	10.68

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 201049-1 UP184

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part A.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.65	0.35	2.08	0.00	0.17	0.64	0.66	0.67	0.86	0.00	0.00	0.00	0.18	0.56	1.38	1.53	0.68	0.00	0.00	0.00	2.76	0.27
1972-73 SE OF P-VAL	0.25	0.26	0.92	0.00	0.17	0.33	0.27	0.29	0.45	0.00	0.00	0.00	0.18	0.35	0.55	1.02	0.68	0.00	0.00	0.00	1.21	0.20
1972-73 DELTA-P		-0.30	1.83*	-0.65#	-0.48	-0.01	0.01	0.02	0.21	-0.65#	-0.65#	-0.65#	-0.47	-0.09	0.73*	0.88	0.03	-0.65#	-0.65#	-0.65#	2.11*	-0.38*
1972-73 SE OF DP		0.31	0.69	0.25	0.28	0.17	0.16	0.08	0.39	0.25	0.25	0.25	0.28	0.20	0.38	0.96	0.67	0.25	0.25	0.25	1.00	0.17
RESPONSE: 02* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	8.83	6.71	8.16	10.35	10.11	9.17	8.52	8.23	11.36	10.37	6.06	11.33	9.88	8.88	8.00	6.52	12.67	7.09	9.31	9.29	9.77	8.47
1972-73 SE OF P-VAL	0.76	0.88	1.53	1.09	2.25	0.97	1.05	0.77	1.89	2.73	1.96	3.33	1.51	1.19	1.24	1.64	2.10	1.73	2.06	1.78	1.66	1.78
1972-73 DELTA-P		-2.12*	-0.67	1.52	1.28	0.34	-0.31	-0.60	2.53	1.58	-2.77	2.50	1.05	0.05	-0.83	-2.31	3.84	1.74	0.50	0.46	0.94	-0.36
1972-73 SE OF DP		0.96	1.32	1.07	1.78	0.69	0.63	0.32	1.71	2.42	2.13	3.26	1.23	0.80	1.07	1.78	2.10	1.65	1.94	1.68	1.59	1.27
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	0.62	0.72	1.03	0.00	0.76	0.53	0.70	0.36	1.57	1.59	0.71	0.00	0.57	0.12	1.48	1.31	1.86	0.00	0.00	0.18	1.10	0.56
1972-73 SE OF P-VAL	0.18	0.30	0.44	0.00	0.48	0.23	0.26	0.17	0.58	1.11	0.71	0.00	0.40	0.12	0.50	0.91	0.85	0.00	0.00	0.18	0.54	0.28
1972-73 DELTA-P		0.10	0.41	-0.62#	0.14	-0.09	0.08	-0.26*	0.95	0.97	0.09	-0.62#	-0.05	-0.50#	0.86*	0.69	1.24	-0.62#	-0.62#	-0.44	0.48	-0.06
1972-73 SE OF DP		0.27	0.36	0.18	0.39	0.18	0.16	0.13	0.50	1.03	0.69	0.18	0.35	0.19	0.37	0.64	0.80	0.18	0.18	0.23	0.46	0.22

EXERCISE: 201049-1 UP184

Part B.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	2.09	1.75	3.02	2.61	0.89	1.64	2.50	2.04	1.97	2.89	1.72	3.19	2.03	1.50	2.88	1.29	1.73	1.33	0.97	0.60	1.21	2.40
1972-73 SE OF P-VAL	0.40	0.58	0.87	1.02	0.93	0.48	0.72	0.42	1.07	1.79	1.25	1.94	0.76	0.39	0.87	1.86	1.09	0.76	0.67	0.33	1.38	0.85
1972-73 DELTA-P		-0.34	0.93	0.52	-1.20*	-0.45	0.41	-0.05	-0.12	0.80	-0.37	1.10	-0.06	-0.59	0.79	2.20	-0.36	-0.76	-1.12	-1.49#	1.12	0.31
1972-73 SE OF DP		0.57	0.73	0.81	0.55	0.50	0.45	0.21	0.95	1.69	1.10	1.90	0.59	0.52	0.56	1.41	1.00	0.77	0.73	0.48	1.25	0.63
RESPONSE: 02* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	8.86	5.88	9.07	11.36	9.03	9.46	8.32	9.29	8.49	4.63	11.51	8.35	8.21	9.32	8.30	7.98	6.86	8.08	11.86	11.43	10.36	7.22
1972-73 SE OF P-VAL	0.88	1.13	1.90	1.94	1.86	1.06	1.06	1.01	1.70	2.41	3.62	2.77	1.27	1.45	1.23	2.20	1.92	3.10	2.52	2.08	2.33	1.12
1972-73 DELTA-P		-2.98#	0.21	2.50	0.17	0.60	-0.54	0.43	-0.37	-4.23	2.65	-0.51	-0.65	0.46	-0.56	-0.88	-2.00	-0.78	3.00	2.57	1.50	-1.64
1972-73 SE OF DP		1.18	1.60	1.59	1.61	0.62	0.57	0.39	1.65	2.21	1.41	2.68	1.20	0.86	1.08	2.16	2.03	2.68	2.26	1.93	2.09	0.99
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	7.11	7.51	5.68	5.70	9.74	5.82	8.28	7.62	4.03	7.77	2.82	6.03	9.01	5.36	9.16	6.09	6.77	6.19	5.28	6.87	7.26	8.55
1972-73 SE OF P-VAL	0.69	1.35	0.98	1.09	2.01	0.82	1.02	0.83	0.86	1.80	1.37	1.55	1.70	0.85	1.40	1.56	2.11	1.77	1.58	1.65	2.21	1.36
1972-73 DELTA-P		0.40	-1.43	-1.41	2.63	-1.29	1.17	0.51	-3.08#	0.66	-4.29#	-1.08	1.90	-1.75#	2.05	-1.02	-0.34	-0.92	-1.83	-0.24	0.15	1.44
1972-73 SE OF DP		1.18	0.96	1.02	1.62	0.66	0.60	0.26	1.03	1.67	1.43	1.49	1.48	0.66	1.11	1.43	2.09	1.71	1.63	1.57	1.93	1.08

EXERCISE: 201049-1 UP184

Part C.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	1.14	1.40	2.02	0.00	1.15	1.19	1.09	0.92	1.83	2.27	0.00	0.00	0.69	1.50	1.36	1.96	0.59	2.22	0.12	0.80	1.73	0.85
1972-73 SE OF P-VAL	0.32	0.54	0.99	0.00	0.57	0.43	0.35	0.31	0.86	1.50	0.00	0.00	0.40	0.50	0.59	0.97	0.59	0.94	0.12	0.57	1.22	0.42
1972-73 DELTA-P		0.26	0.88	-1.14#	0.05	0.05	-0.05	-0.22	0.69	1.13	-1.14#	-1.14#	-0.45	0.36	0.22	0.82	-0.55	1.08	-1.02#	-0.34	0.59	-0.29
1972-73 SE OF DP		0.50	0.76	0.32	0.52	0.24	0.22	0.16	0.72	1.42	0.32	0.32	0.43	0.29	0.41	0.92	0.61	0.86	0.36	0.58	1.02	0.31
RESPONSE: 02* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	1.92	4.25	1.39	1.17	0.85	2.91	1.02	1.48	2.96	4.77	2.40	2.55	1.88	1.36	2.58	2.49	3.62	2.36	4.00	0.83	1.41	1.05
1972-73 SE OF P-VAL	0.31	0.99	0.51	0.46	0.41	0.56	0.29	0.29	1.10	1.87	1.35	1.57	0.81	0.40	0.81	1.39	1.79	1.12	2.39	0.52	0.65	0.39
1972-73 DELTA-P		2.33#	-0.53	-0.75	-1.07*	0.99#	-0.90#	-0.44	1.04	2.85	0.48	0.63	-0.04	-0.56	0.66	0.57	1.70	0.44	2.08	-1.09	-0.51	-0.87*
1972-73 SE OF DP		0.79	0.47	0.45	0.43	0.32	0.29	0.28	0.93	1.71	1.26	1.42	0.70	0.40	0.75	1.28	1.76	1.21	2.21	0.55	0.67	0.39

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201049-1 UP184

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

Part C.

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.13	4.50	2.80	2.06	3.22	2.70	3.52	3.29	2.07	3.50	3.88	1.75	2.45	2.29	5.00	3.03	2.87	2.13	4.06	4.23	3.79	2.59
1972-73 SE OF P-VAL	0.59	1.04	0.98	1.14	1.54	0.63	0.73	0.68	0.88	1.23	1.60	1.35	0.86	0.73	1.02	1.83	1.66	0.99	1.53	1.59	2.11	0.73
1972-73 DELTA-P		1.37	-0.33	-1.07	0.09	-0.43	0.39	0.16	-1.06	0.37	0.75	-1.38	-0.68	-0.84	1.87#	-0.10	-0.26	-1.00	0.93	1.10	0.66	-0.54
1972-73 SE OF DP		0.95	0.91	0.99	1.26	0.36	0.33	0.22	0.90	1.11	1.56	1.36	0.62	0.52	0.71	1.77	1.62	0.93	1.43	1.35	1.82	0.68

EXERCISE: 201049-1 UP184

Part D.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.40	0.27	1.14	0.00	0.18	0.35	0.44	0.37	0.46	0.64	0.00	0.95	0.14	0.40	0.59	0.74	0.53	0.29	0.00	0.00	1.08	0.33
1972-73 SE OF P-VAL	0.22	0.19	0.82	0.00	0.18	0.24	0.22	0.24	0.34	0.62	0.00	0.96	0.14	0.31	0.35	0.55	0.52	0.29	0.00	0.00	1.03	0.21
1972-73 DELTA-P		-0.13	0.74	-0.40	-0.22	-0.05	0.04	-0.03	0.06	0.24	-0.40	0.55	-0.26	0.00	0.19	0.34	0.13	-0.11	-0.40	-0.40	0.68	-0.07
1972-73 SE OF DP		0.26	0.61	0.22	0.26	0.09	0.08	0.07	0.26	0.62	0.22	0.94	0.24	0.14	0.19	0.53	0.52	0.33	0.22	0.22	0.84	0.11

RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	10.68	6.89	8.70	15.24	11.76	9.69	11.58	10.15	11.58	14.99	13.67	7.83	12.34	11.23	8.5[illegible]	9.04	10.58	10.11	10.75	15.04	8.83	10.42
1972-73 SE OF P-VAL	0.82	1.07	1.24	1.90	1.99	1.02	1.12	0.92	2.12	4.23	4.70	2.74	1.52	1.67	1.07	2.15	2.18	2.14	2.59	2.49	2.32	1.55
1972-73 DELTA-P		-3.79#	-1.98	4.56#	1.08	-0.99	0.90	-0.53	0.90	4.31	2.99	-2.85	1.66	0.55	-2.15	-1.64	-0.10	-0.57	0.07	4.36	-1.85	-0.26
1972-73 SE OF DP		1.10	1.21	1.53	1.65	0.73	0.66	0.48	1.92	4.10	4.46	2.68	1.51	1.20	1.10	2.32	2.05	1.97	2.35	2.44	2.01	1.24

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.60	1.69	1.97	0.34	2.49	1.40	1.78	1.40	2.11	2.87	1.83	0.00	1.98	0.75	2.79	2.60	2.57	0.00	0.36	0.27	2.85	2.19
1972-73 SE OF P-VAL	0.47	0.66	0.74	0.34	1.64	0.49	0.59	0.52	0.63	1.49	1.07	0.00	0.85	0.35	0.83	1.78	1.50	0.00	0.37	0.26	2.04	0.69
1972-73 DELTA-P		0.09	0.37	-1.26*	0.89	-0.20	0.18	-0.20	0.51	1.27	0.23	-1.60#	0.38	-0.85#	1.19#	1.00	0.97	-1.60#	-1.24*	-1.33#	1.25	0.59
1972-73 SE OF DP		0.66	0.70	0.53	1.28	0.30	0.27	0.16	0.65	1.31	1.05	0.47	0.57	0.32	0.47	1.69	1.44	0.47	0.57	0.51	1.70	0.52

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201052-234

72-73 Report #: UP185

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	06-28	09-24	06-21
72-73 National P-val:			
UP185	26.87	35.50	37.78
Timing: (in seconds)			
Stimulus:	14	13	17
Response:	17	18	*
I don't know:	5	5	*
Pause:	6	8	*
UP185 Exercise total:	42	44	*

*Time not limited by paced tape.

EXERCISE: 201052-234 UP185

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	1.43	0.32	0.00	0.73	4.62	1.51	1.36	1.04	4.99	0.19	0.68	1.86	1.62	0.69	3.13	0.00	5.34	0.00	3.01	4.71	1.21	0.00
1972-73 SE OF P-VAL	0.58	0.22	0.00	0.71	2.20	0.65	0.56	0.70	3.41	0.20	0.68	0.83	1.02	0.32	1.60	0.00	5.38	0.00	2.52	4.26	1.23	0.00
1972-73 DELTA-P		-1.11	-1.43*	-0.70	3.19	0.08	-0.07	-0.39	3.56	-1.24*	-0.75	0.43	0.19	-0.74*	1.70	-1.43*	3.91	-1.43*	1.58	3.28	-0.22	-1.43*
1972-73 SE OF DP		0.60	0.58	0.74	1.68	0.19	0.18	0.46	3.27	0.59	0.86	0.44	0.64	0.34	1.32	0.58	5.27	0.58	2.37	3.94	1.21	0.58
AGE: 17																						
1972-73 P-VALUE	0.94	0.88	1.31	1.18	0.39	1.24	0.67	0.46	3.20	2.78	0.80	1.39	1.13	0.41	4.82	0.00	0.46	0.00	1.23	1.22	3.06	0.74
1972-73 SE OF P-VAL	0.38	0.47	0.68	1.09	0.38	0.55	0.33	0.20	2.47	1.76	0.66	0.89	0.67	0.25	2.81	0.00	0.47	0.00	0.60	0.77	2.56	0.46
1972-73 DELTA-P		-0.06	0.37	0.24	-0.55	0.30	-0.27	-0.48	2.26	1.84	-0.14	0.45	0.19	-0.53	3.88	-0.94*	-0.48	-0.94*	0.29	0.28	2.12	-0.20
1972-73 SE OF DP		0.50	0.63	0.80	0.47	0.26	0.23	0.34	2.16	1.70	0.70	0.76	0.40	0.29	2.61	0.38	0.54	0.38	0.64	0.74	2.25	0.46
AGE: Ad																						
1972-73 P-VALUE	0.04	0.00	0.00	0.00	0.17	0.09	0.00	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.00	0.00	0.18	0.09	0.00	0.00	0.43	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
1972-73 DELTA-P		-0.04	-0.04	-0.04	0.13	0.05	-0.04	-0.04	0.39	-0.04	-0.04	-0.04	0.11	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.35	-0.04	-0.04
1972-73 SE OF DP		0.05	0.05	0.05	0.13	0.05	0.05	0.05	0.38	0.05	0.05	0.05	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.34	0.05	0.05
RESPONSE: 01* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	26.87	27.89	26.91	26.63	24.32	29.78	24.17	29.22	14.10	18.44	29.13	18.88	24.78	32.74	18.43	29.99	23.38	30.36	25.03	22.77	26.18	27.63
1972-73 SE OF P-VAL	1.41	3.68	2.96	1.99	2.57	1.84	1.84	1.50	2.68	4.44	5.17	3.52	2.40	1.91	2.97	2.66	3.01	3.25	3.25	4.28	4.79	2.71
1972-73 DELTA-P		1.02	2.04	-0.24	-2.55	2.91*	-2.70*	2.35#	-12.77#	-8.43	2.26	-7.99*	-2.09	5.87#	-8.44#	3.12	-3.49	3.49	-1.84	-4.10	-0.69	0.76
1972-73 SE OF DP		3.01	2.58	1.91	2.30	1.23	1.16	0.54	2.54	4.23	4.94	3.37	1.92	1.28	2.75	2.87	3.15	3.00	3.16	3.78	4.49	2.16
AGE: 17																						
1972-73 P-VALUE	35.50	34.66	34.27	36.81	35.92	44.25	27.51	38.60	21.45	22.84	24.23	29.12	33.96	40.25	27.23	37.82	23.30	37.72	29.46	31.44	45.08	37.56
1972-73 SE OF P-VAL	1.41	2.64	2.24	3.03	2.97	1.75	1.69	1.58	2.76	3.73	3.39	4.06	2.39	1.96	5.59	5.12	3.57	2.52	3.00	3.68	5.40	2.31
1972-73 DELTA-P		-0.84	-1.23	1.37	0.42	8.75#	-7.99#	3.10#	-14.05#	-12.66#	-11.27#	-6.38	-1.54	4.75#	-8.27	2.32	-12.20#	2.22	-6.04*	-4.06	9.58*	2.06
1972-73 SE OF DP		2.30	2.21	2.41	2.57	1.16	1.06	0.60	2.68	3.67	3.48	3.71	2.06	1.21	5.59	4.94	3.50	2.70	2.92	3.41	4.75	1.75
AGE: Ad																						
1972-73 P-VALUE	37.78	33.88	34.76	38.82	43.02	47.78	28.49	40.29	19.33	34.11	32.02	32.45	42.05	41.64	41.05	37.76	24.29	41.56	33.60	32.99	37.92	42.06
1972-73 SE OF P-VAL	1.48	2.46	3.52	2.34	3.43	2.19	1.71	1.56	2.94	5.96	2.62	2.90	2.49	2.71	13.36	5.64	3.53	3.69	6.11	3.48	3.72	1.97
1972-73 DELTA-P		-3.90	-3.02	1.04	5.24	10.00#	-9.29#	2.51#	-18.45#	-3.67	-5.76#	-5.33	4.27*	3.86	3.27	-0.02	-13.49#	3.78	-4.18	-4.79	0.14	4.28#
1972-73 SE OF DP		2.24	3.10	2.13	2.79	1.27	1.37	0.56	2.95	5.69	2.01	2.72	2.05	2.37	13.04	5.17	3.50	3.54	5.72	3.34	3.32	1.44
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	8.33	6.43	7.95	11.10	7.28	6.64	9.90	7.70	12.38	9.53	9.86	9.27	7.67	7.34	11.33	6.51	5.93	8.95	5.92	8.69	11.84	8.21
1972-73 SE OF P-VAL	0.69	1.32	1.21	1.57	1.16	0.83	0.95	0.71	2.50	2.87	3.30	2.03	1.31	0.95	2.02	1.89	1.07	2.67	1.71	1.98	2.42	1.17
1972-73 DELTA-P		-1.90	-0.38	2.77*	-1.05	-1.69#	1.57#	-0.63	4.05	1.20	1.53	0.94	-0.66	-0.99	3.00	-1.82	-2.40	0.62	-2.41	0.36	3.51	-0.12
1972-73 SE OF DP		1.19	1.13	1.21	1.08	0.61	0.56	0.38	2.27	2.74	3.20	1.88	1.03	0.83	1.86	1.86	1.25	2.38	1.78	1.91	2.23	0.97
AGE: 17																						
1972-73 P-VALUE	10.97	12.59	12.17	9.05	10.46	8.86	12.90	10.36	12.44	16.35	16.27	11.55	8.91	11.50	8.02	11.66	13.48	8.67	8.34	11.98	9.61	11.83
1972-73 SE OF P-VAL	0.81	2.05	1.38	1.25	1.69	0.95	1.12	0.95	1.80	3.33	2.65	2.28	1.15	1.16	2.42	2.65	2.06	2.00	2.44	2.72	1.72	1.49
1972-73 DELTA-P		1.62	1.20	-1.92	-0.51	-2.11#	1.93#	-0.61	1.47	5.38	5.30*	0.58	-2.06*	0.53	-2.95	0.69	2.51	-2.30	-2.63	1.01	-1.36	0.86
1972-73 SE OF DP		1.64	1.33	1.14	1.47	0.69	0.63	0.38	1.71	3.36	2.53	2.10	1.03	0.72	2.33	2.65	1.92	1.80	2.37	2.44	1.74	1.24
AGE: Ad																						
1972-73 P-VALUE	15.59	16.91	21.26	13.28	12.24	15.44	15.73	15.93	17.04	7.46	16.45	13.00	13.55	19.01	12.27	13.56	13.64	19.05	15.35	18.00	14.92	14.74
1972-73 SE OF P-VAL	0.96	2.06	2.24	1.13	2.32	1.59	1.28	1.06	3.06	2.50	1.68	2.85	1.58	2.38	5.13	4.37	2.48	3.55	3.05	3.73	2.05	1.15
1972-73 DELTA-P		1.32	5.67#	-2.31	-3.35	-0.15	0.14	0.34	1.45	-8.13#	0.86	-2.59	-2.04	3.42	-3.32	-2.03	-1.95	3.46	-0.24	2.41	-0.67	-0.85
1972-73 SE OF DP		1.72	2.01	1.24	1.88	1.11	1.03	0.40	2.97	2.49	1.44	2.62	1.58	1.88	5.26	4.11	2.47	3.10	2.84	3.40	2.20	1.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201054-123

72-73 Report #: UP186

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13	17IS
72-73 Package-Exercise:	07-26	03-04	03-14
72-73 National P-val: UP186	43.35	77.95	89.39
Timing: (in seconds)			
Stimulus:	28	29	28
Response:	32	31	31
I don't know:	5	5	5
Pause:	6	6	6
UP186 Exercise total:	71	71	70

EXERCISE: 201054-123 UP186

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.14	0.11	0.09	0.11	0.26	0.07	0.21	0.10	0.41	0.00	0.00	0.00	0.04	0.23	0.15	0.27	0.00	0.00	0.00	0.00	0.48	0.18
1972-73 SE OF P-VAL	0.06	0.11	0.10	0.12	0.20	0.06	0.11	0.06	0.30	0.00	0.00	0.00	0.05	0.15	0.10	0.28	0.00	0.00	0.00	0.00	0.33	0.13
1972-73 DELTA-P		-0.03	-0.05	-0.03	0.12	-0.07	0.07	-0.04	0.27	-0.14*	-0.14*	-0.14*	-0.10	0.09	0.01	0.13	-0.14*	-0.14*	-0.14*	-0.14*	0.34	0.04
1972-73 SE OF DP		0.10	0.10	0.10	0.16	0.06	0.06	0.04	0.26	0.06	0.06	0.06	0.06	0.11	0.07	0.26	0.06	0.06	0.06	0.06	0.29	0.10
AGE: 13																						
1972-73 P-VALUE	0.08	0.14	0.11	0.08	0.00	0.07	0.09	0.07	0.17	0.00	0.35	0.00	0.07	0.00	0.25	0.00	0.26	0.00	0.32	0.00	0.00	0.07
1972-73 SE OF P-VAL	0.05	0.14	0.11	0.08	0.00	0.07	0.06	0.05	0.16	0.00	0.34	0.00	0.07	0.00	0.25	0.00	0.25	0.00	0.31	0.00	0.00	0.07
1972-73 DELTA-P		0.06	0.03	0.00	-0.08	-0.01	0.01	-0.01	0.09	-0.08	0.27	-0.08	-0.01	-0.08	0.17	-0.08	0.18	-0.08	0.24	-0.08	-0.08	-0.01
1972-73 SE OF DP		0.11	0.09	0.07	0.05	0.05	0.04	0.02	0.15	0.05	0.32	0.05	0.06	0.05	0.22	0.05	0.24	0.05	0.28	0.05	0.05	0.06
AGE: 17																						
1972-73 P-VALUE	0.05	0.00	0.00	0.14	0.04	0.08	0.01	0.05	0.00	0.15	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.26	0.00	0.02
1972-73 SE OF P-VAL	0.05	0.00	0.00	0.15	0.04	0.09	0.02	0.05	0.00	0.15	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.25	0.00	0.03
1972-73 DELTA-P		-0.05	-0.05	0.09	-0.01	0.03	-0.04	0.00	-0.05	0.10	-0.05	-0.05	-0.05	-0.05	0.82	-0.05	-0.05	-0.05	-0.05	0.21	-0.05	-0.03
1972-73 SE OF DP		0.05	0.05	0.11	0.06	0.04	0.05	0.01	0.05	0.15	0.05	0.05	0.05	0.05	0.69	0.05	0.05	0.05	0.05	0.21	0.05	0.05
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	43.35	46.16	37.05	43.84	46.21	48.18	38.50	47.94	24.16	26.97	33.69	33.24	44.69	55.03	35.62	39.07	20.86	56.02	41.05	46.25	43.36	43.89
1972-73 SE OF P-VAL	1.66	2.97	1.90	4.24	3.18	2.38	1.71	1.95	2.36	3.33	5.56	4.61	3.39	2.23	2.02	3.39	2.43	4.67	3.18	3.68	3.30	4.09
1972-73 DELTA-P		2.91	-6.30#	0.49	2.86	4.83#	-4.85#	4.59#	-19.19#	-16.38#	-9.66	-10.11*	1.34	11.68#	-7.73#	-4.28	-22.49#	12.67#	-2.30	2.90	0.01	0.54
1972-73 SE OF DP		2.66	2.12	3.25	2.90	1.23	1.29	0.83	2.54	3.31	5.31	5.02	2.48	2.05	1.24	3.33	2.76	4.58	3.55	3.56	3.38	2.96
AGE: 13																						
1972-73 P-VALUE	77.95	81.93	68.04	82.80	77.38	78.68	77.28	83.55	51.13	61.24	52.50	71.30	77.25	87.86	65.57	65.40	57.78	89.83	74.10	84.82	84.18	77.94
1972-73 SE OF P-VAL	1.27	1.90	3.25	2.84	1.84	1.44	1.57	1.26	2.88	5.41	3.9[illegible]	3.01	1.85	1.07	3.02	5.48	4.41	1.85	3.45	1.99	3.07	2.05
1972-73 DELTA-P		3.98*	-9.91#	4.85*	-0.57	0.73	-0.67	5.60#	-26.82#	-16.71#	-25[illegible]#	-6.65#	-0.70	9.91#	-12.38#	-12.55*	-20.17#	11.88#	-3.85	6.87#	6.23*	-0.01
1972-73 SE OF DP		1.86	2.73	2.28	1.80	0.85	0.78	0.85	3.06	5.31	[illegible].46	2.57	1.46	1.14	2.66	5.07	4.40	1.82	3.50	2.10	2.90	1.65
AGE: 17																						
1972-73 P-VALUE	89.39	90.73	85.73	89.45	91.28	88.72	90.06	91.44	77.72	84.28	86.97	83.85	89.52	92.79	75.74	82.45	86.39	90.47	87.57	90.94	92.36	90.48
1972-73 SE OF P-VAL	0.65	1.15	1.34	1.27	1.43	1.03	0.96	0.65	2.59	1.83	2.83	1.99	1.35	0.66	5.27	2.47	2.91	2.39	2.03	1.51	1.40	0.99
1972-73 DELTA-P		1.34	-3.66#	0.06	1.89	-0.67	0.67	2.05#	-11.67#	-5.11#	-2.42	-5.54#	0.13	3.40#	-13.65#	-6.94#	-3.00	1.08	-1.82	1.55	2.97*	1.09
1972-73 SE OF DP		1.02	1.18	1.03	1.28	0.75	0.77	0.41	2.38	1.78	2.72	2.00	1.12	0.78	5.15	2.32	2.81	2.20	1.91	1.43	1.44	0.93
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.35	4.60	10.23	5.52	5.29	5.64	7.06	5.44	10.41	8.98	8.37	5.34	4.23	3.54	9.54	5.75	8.35	4.24	6.23	7.21	7.51	6.07
1972-73 SE OF P-VAL	0.56	0.80	1.63	0.76	1.00	0.68	0.89	0.60	1.55	2.52	3.04	2.65	1.15	0.65	1.08	1.29	2.24	1.47	1.49	2.15	1.58	0.91
1972-73 DELTA-P		-1.75*	3.88#	-0.83	-1.06	-0.71	0.71	-0.91#	4.06#	2.63	2.02	-1.01	-2.12	-2.81#	3.19#	-0.60	2.00	-2.11	-0.12	0.86	1.16	-0.28
1972-73 SE OF DP		0.77	1.29	0.75	0.94	0.56	0.57	0.31	1.33	2.53	2.94	2.49	1.09	0.75	0.71	1.24	2.18	1.43	1.47	1.89	1.52	0.90
AGE: 13																						
1972-73 P-VALUE	1.27	0.41	1.76	1.59	1.33	1.76	0.82	1.11	1.98	1.88	1.56	0.04	1.55	0.74	2.79	1.35	2.34	1.15	0.85	1.18	0.87	1.33
1972-73 SE OF P-VAL	0.21	0.19	0.33	0.48	0.53	0.35	0.29	0.25	0.68	1.60	1.03	0.04	0.60	0.27	1.12	1.02	1.05	0.66	0.59	0.71	0.58	0.40
1972-73 DELTA-P		-0.86#	0.49	0.32	0.06	0.49	-0.45	-0.16	0.71	0.61	0.29	-1.23#	0.28	-0.53	1.52	0.08	1.07	-0.12	-0.42	-0.09	-0.40	0.06
1972-73 SE OF DP		0.24	0.33	0.38	0.43	0.25	0.23	0.14	0.71	1.53	1.02	0.21	0.51	0.31	1.04	1.01	0.99	0.62	0.58	0.68	0.54	0.34
AGE: 17																						
1972-73 P-VALUE	1.07	2.02	1.15	0.32	0.86	1.73	0.41	1.09	1.17	0.55	0.86	0.39	1.17	0.81	3.90	1.46	1.03	0.45	0.37	1.27	0.31	1.56
1972-73 SE OF P-VAL	0.26	0.75	0.44	0.23	0.43	0.43	0.21	0.32	0.60	0.50	0.67	0.28	0.47	0.38	2.58	0.77	0.76	0.45	0.37	0.74	0.23	0.60
1972-73 DELTA-P		0.95	0.08	-0.75#	-0.21	0.66#	-0.66#	0.02	0.10	-0.52	-0.21	-0.68	0.10	-0.26	2.83	0.39	-0.04	-0.62	-0.70	0.20	-0.76*	0.49
1972-73 SE OF DP		0.55	0.42	0.30	0.42	0.21	0.22	0.10	0.63	0.54	0.71	0.36	0.42	0.29	2.46	0.72	0.78	0.46	0.42	0.67	0.36	0.43

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201057-1

72-73 Report #: UP187
69-70 Report #: 0656

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 06-26
69-70 Package-Exercise: 02-14

72-73 National P-val:
UP187 16.93
69-70 National P-value:
UP187 12.72

Timing: (in seconds)
Stimulus: 21
Response: 28
I don't know: 5
Pause: 6
UP187 Exercise total: 60

EXERCISE: 201057-1 UP187

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.14	0.42	0.00	0.10	0.00	0.28	0.00	0.14	0.18	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.32	0.40	0.00	0.00	0.43	0.00
1969-70 P-VALUE	0.06	0.00	0.12	0.00	0.16	0.11	0.00	0.00	0.20	0.52	0.65	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.26	0.25	0.00
CHANGE P-VALUE	0.08	0.42	-0.12	0.10	-0.16	0.17	0.00	0.14	-0.02	-0.52	-0.65	0.00	0.00	-0.08	0.36	0.00	0.32	0.40	0.00	-0.26	0.18	0.00
1972-73 SE OF P-VAL	0.08	0.30	0.00	0.10	0.00	0.17	0.00	0.10	0.18	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.32	0.40	0.00	0.00	0.41	0.00
1969-70 SE OF P-VAL	0.04	0.00	0.12	0.00	0.16	0.08	0.00	0.00	0.20	0.52	0.65	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.25	0.25	0.00
SE OF CHANGE P-VALUE	0.09	0.30	0.12	0.10	0.16	0.19	0.00	0.10	0.27	0.52	0.65	0.00	0.00	0.07	0.21	0.00	0.32	0.40	0.00	0.25	0.48	0.00
1972-73 DELTA-P		0.28	-0.14	-0.04	-0.14	0.14	-0.14	0.00	0.04	-0.14	-0.14	-0.14	-0.14	-0.14	0.22	-0.14	0.18	0.26	-0.14	-0.14	0.29	-0.14
1969-70 DELTA-P		-0.06	0.06	-0.06	0.10	0.05	-0.06	-0.06	0.14	0.46	0.59	-0.06	-0.06	0.02	-0.06	-0.06	-0.06	-0.06	-0.06	0.20	0.19	-0.06
CHANGE DELTA-P		0.34	-0.20	0.02	-0.24	0.09	-0.08	0.06	-0.10	-0.60	-0.73	-0.08	-0.08	-0.16	0.28*	-0.08	0.24	0.32	-0.08	-0.34	0.10	-0.08
1972-73 SE OF DP		0.22	0.08	0.11	0.08	0.08	0.08	0.03	0.17	0.08	0.08	0.08	0.08	0.08	0.13	0.08	0.30	0.35	0.08	0.08	0.35	0.08
1969-70 SE OF DP		0.04	0.10	0.04	0.12	0.04	0.04	0.04	0.18	0.49	0.62	0.04	0.04	0.06	0.04	0.04	0.04	0.04	0.04	0.22	0.22	0.04
SE OF CHANGE DELTA-P		0.22	0.13	0.12	0.14	0.09	0.09	0.05	0.25	0.50	0.63	0.09	0.09	0.10	0.14	0.09	0.30	0.35	0.09	0.23	0.41	0.09
RESPONSE: 04* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	16.93	16.64	19.39	13.69	18.83	19.33	14.46	16.49	18.97	17.43	12.95	25.56	14.17	21.45	14.60	12.88	13.06	21.86	17.95	14.10	19.65	16.68
1969-70 P-VALUE	12.72	12.89	13.02	13.63	10.95	12.82	12.60	12.60	12.38	14.75	15.31	9.73	13.04	13.77	11.67	17.63	12.48	11.92	8.69	17.29	13.12	11.73
CHANGE P-VALUE	4.21#	3.75	6.37*	0.06	7.88#	6.51#	1.86	3.89*	6.59	2.68	-2.36	15.83#	1.13	7.68#	2.93	-4.75	0.58	9.94*	9.26#	-3.19	6.53*	4.95*
1972-73 SE OF P-VAL	0.89	1.77	1.88	1.41	1.91	1.16	1.39	0.97	2.73	3.26	2.69	4.57	1.48	1.64	1.33	2.46	2.52	3.01	2.43	2.20	2.09	1.63
1969-70 SE OF P-VAL	1.16	1.24	2.52	2.98	1.52	1.49	1.32	1.32	1.95	3.19	3.00	3.24	1.94	2.14	1.27	3.58	1.92	2.74	1.95	5.93	1.98	1.46
SE OF CHANGE P-VALUE	1.46	2.16	3.14	3.30	2.44	1.89	1.92	1.64	3.35	4.56	4.03	5.60	2.44	2.70	1.84	4.34	3.17	4.07	3.12	6.32	2.88	2.19
1972-73 DELTA-P		-0.29	2.46	-3.24#	1.90	2.40#	-2.47#	-0.44	2.04	0.50	-3.98	8.63*	-2.76	4.52#	-2.33*	-4.05	-3.87	4.93	1.02	-2.83	2.72	-0.25
1969-70 DELTA-P		0.17	0.30	0.91	-1.77	0.10	-0.12	-0.12	-0.34	2.03	2.59	-2.99	0.32	1.05	-1.05	4.91	-0.24	-0.80	-4.03	4.57	0.40	-0.99
CHANGE DELTA-P		-0.46	2.16	-4.15	3.67	2.30	-2.35	-0.32	2.38	-1.53	-6.57	11.62*	-3.08	3.47	-1.28	-8.96*	-3.63	5.73	5.05	-7.40	2.32	0.74
1972-73 SE OF DP		1.51	1.60	1.24	1.72	0.91	0.92	0.51	2.46	3.15	2.54	4.17	1.46	1.30	1.04	2.28	2.59	2.71	2.14	2.17	1.99	1.32
1969-70 SE OF DP		1.45	2.26	2.16	1.62	0.74	0.86	0.37	1.85	3.23	2.81	3.12	1.70	1.45	0.98	3.50	2.17	2.68	2.03	5.18	2.13	1.34
SE OF CHANGE DELTA-P		2.09	2.77	2.49	2.36	1.17	1.26	0.63	3.08	4.51	3.79	5.21	2.24	1.95	1.43	4.18	3.38	3.81	2.95	5.62	2.91	1.88
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	7.53	7.38	9.31	6.64	6.83	6.22	8.88	6.88	10.02	9.69	6.32	4.78	5.84	5.74	10.34	8.35	11.94	6.95	5.82	7.40	5.69	7.90
1969-70 P-VALUE	5.44	7.57	4.41	4.95	4.59	5.52	5.35	5.91	3.35	3.44	7.16	1.84	4.20	4.37	7.74	3.17	4.31	2.95	4.79	9.54	3.59	6.12
CHANGE P-VALUE	2.09*	-0.19	4.90#	1.69	2.24	0.70	3.53*	0.97	6.67#	6.05#	-0.84	2.94	1.64	1.37	2.60	5.18	7.63#	4.00	1.03	-2.14	2.10	1.78
1972-73 SE OF P-VAL	0.69	1.91	1.28	1.00	1.09	0.72	1.16	0.79	1.81	2.08	2.18	1.77	1.09	1.30	1.00	2.75	2.19	2.65	1.08	1.58	1.11	1.17
1969-70 SE OF P-VAL	0.65	1.74	1.04	1.10	0.86	0.91	0.94	0.79	0.97	1.02	3.01	1.03	1.08	0.99	1.07	1.40	1.95	1.07	1.12	2.74	0.97	1.15
SE OF CHANGE P-VALUE	0.95	2.58	1.65	1.49	1.39	1.16	1.49	1.12	2.05	2.32	3.72	2.05	1.53	1.63	1.46	3.09	2.93	2.86	1.56	3.16	1.47	1.64
1972-73 DELTA-P		-0.15	1.78	-0.89	-0.70	-1.31	1.35	-0.65	2.49	1.96	-1.21	-2.75	-1.69	-1.79	2.81#	0.82	4.41*	-0.58	-1.71	-0.13	-1.84	0.37
1969-70 DELTA-P		2.13	-1.03	-0.49	-0.85	0.08	-0.09	0.47*	-2.09	-2.00	1.72	-3.60#	-1.24	-1.07	2.30#	-2.27	-1.13	-2.49*	-0.65	4.10	-1.85	0.68
CHANGE DELTA-P		-2.28	2.81	-0.40	0.15	-1.39	1.44	-1.12#	4.58*	3.96	-2.93	0.85	-0.45	-0.72	0.51	3.09	5.54	1.91	-1.06	-4.23	0.01	-0.31
1972-73 SE OF DP		1.48	1.16	0.95	1.09	0.66	0.68	0.35	1.73	2.03	2.19	1.94	0.87	0.94	0.72	2.61	2.12	2.27	1.13	1.57	1.03	0.99
1969-70 SE OF DP		1.34	1.04	0.93	0.92	0.61	0.71	0.20	1.09	1.17	2.90	1.23	0.89	0.65	0.81	1.48	1.95	1.13	1.13	2.43	1.06	0.84
SE OF CHANGE DELTA-P		2.00	1.56	1.33	1.43	0.90	0.98	0.40	2.04	2.34	3.63	2.30	1.24	1.14	1.08	3.00	2.88	2.54	1.60	2.89	1.48	1.30

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201058-1

72-73 Report #: UP188
69-70 Report #: U644

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	03-13
69-70 Package-Exercise:	02-17
72-73 National P-val:	
UP188	40.84
69-70 National P-value:	
UP188	41.31

Timing: (in seconds)

	Stimulus:	17
	Response:	33
	I don't know:	5
	Pause:	6
UP188	Exercise total:	61

EXERCISE: 201058-1 UP188

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.13	0.14	0.22	0.00	0.18	0.10	0.16	0.04	0.33	0.77	0.58	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.24	0.43	0.13
1969-70 P-VALUE	0.31	0.54	0.07	0.28	0.31	0.45	0.15	0.18	0.24	1.99	0.65	0.00	0.00	0.24	0.60	0.21	0.00	0.10	0.82	0.61	0.00	0.26
CHANGE P-VALUE	-0.18	-0.40	0.15	-0.28	-0.13	-0.35	0.01	-0.14	0.09	-1.22	-0.07	0.00	0.00	-0.24	-0.35	-0.21	0.00	-0.10	-0.82	-0.37	0.43	-0.13
1972-73 SE OF P-VAL	0.07	0.13	0.15	0.00	0.18	0.07	0.11	0.04	0.24	0.80	0.58	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.23	0.41	0.09
1969-70 SE OF P-VAL	0.12	0.31	0.07	0.23	0.22	0.20	0.10	0.10	0.17	1.28	0.65	0.00	0.00	0.14	0.31	0.22	0.00	0.11	0.59	0.37	0.00	0.19
SE OF CHANGE P-VALUE	0.14	0.34	0.17	0.23	0.28	0.21	0.15	0.11	0.29	1.51	0.87	0.00	0.00	0.14	0.34	0.22	0.00	0.11	0.59	0.44	0.41	0.21
1972-73 DELTA-P		0.01	0.09	-0.13	0.05	-0.03	0.03	-0.09	0.20	0.64	0.45	-0.13	-0.13	-0.13	0.12	-0.13	-0.13	-0.13	-0.13	0.11	0.30	0.00
1969-70 DELTA-P		0.23	-0.24	-0.03	0.00	0.14	-0.16	-0.13	-0.07	1.68	0.34	-0.31#	-0.31#	-0.07	0.29	-0.10	-0.31#	-0.21	0.51	0.30	-0.31#	-0.05
CHANGE DELTA-P		-0.22	0.33	-0.10	0.05	-0.17	0.19	0.04	0.27	-1.04	0.11	0.18	0.18	-0.06	-0.17	-0.03	0.18	0.08	-0.64	-0.19	0.61	0.05
1972-73 SE OF DP		0.12	0.13	0.07	0.14	0.06	0.07	0.06	0.21	0.76	0.55	0.07	0.07	0.07	0.10	0.07	0.07	0.07	0.07	0.20	0.37	0.08
1969-70 SE OF DP		0.24	0.13	0.19	0.20	0.11	0.12	0.09	0.19	1.20	0.62	0.12	0.12	0.15	0.21	0.24	0.12	0.15	0.53	0.34	0.12	0.15
SE OF CHANGE DELTA-P		0.27	0.18	0.20	0.24	0.13	0.14	0.11	0.28	1.42	0.83	0.14	0.14	0.17	0.23	0.25	0.14	0.17	0.53	0.39	0.39	0.17
RESPONSE: 02* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	40.84	44.38	33.95	38.36	46.20	40.26	41.46	45.64	18.68	30.87	37.16	39.60	38.29	48.56	36.56	41.02	18.60	51.99	35.23	36.52	39.29	45.15
1969-70 P-VALUE	41.31	43.71	34.60	46.06	38.04	44.53	37.58	45.24	23.08	25.45	31.58	43.52	40.72	47.90	36.54	32.68	18.72	54.66	31.96	38.89	45.16	44.46
CHANGE P-VALUE	-0.47	0.67	-0.65	-7.70	8.16*	-4.27	3.88	0.40	-4.40	5.42	5.58	-3.92	-2.43	0.66	0.02	8.34	-0.12	-2.67	3.27	-2.37	-5.87	0.69
1972-73 SE OF P-VAL	1.86	3.11	5.00	3.48	2.60	2.23	2.27	2.05	2.78	4.79	3.86	5.95	2.47	2.49	2.43	4.72	4.07	6.16	4.32	4.69	4.33	3.74
1969-70 SE OF P-VAL	1.97	3.23	4.99	3.98	2.99	2.40	2.25	2.05	3.83	4.91	5.52	6.22	2.99	2.55	2.69	5.49	4.22	4.40	4.69	6.12	4.25	3.16
SE OF CHANGE P-VALUE	2.71	4.48	7.06	5.29	3.96	3.28	3.20	2.90	4.73	6.86	6.74	8.61	3.88	3.56	3.63	7.24	5.86	7.57	6.38	7.71	6.07	4.90
1972-73 DELTA-P		3.54	-6.89	-2.48	5.36*	-0.58	0.62	4.80#	-22.16#	-9.97*	-3.68	-1.24	-2.55	7.72#	-4.28#	0.18	-22.24#	11.15	-5.61	-4.32	-1.55	4.31
1969-70 DELTA-P		2.40	-6.71	4.75	-3.27	3.22#	-3.73#	3.93#	-18.23#	-15.86#	-9.73	2.21	-0.59	6.59#	-4.77*	-8.63	-22.59#	13.35#	-9.35*	-2.42	3.85	3.15
CHANGE DELTA-P		1.14	-0.18	-7.23	8.63*	-3.80*	4.35*	0.87	-3.93	5.89	6.05	-3.45	-1.96	1.13	0.49	8.81	0.35	-2.20	3.74	-1.90	-5.40	1.16
1972-73 SE OF DP		2.93	4.13	2.99	2.44	1.22	1.31	0.86	2.79	4.70	3.77	5.22	2.12	1.76	1.34	4.93	4.34	5.97	4.38	4.51	4.46	2.55
1969-70 SE OF DP		3.00	4.28	3.12	2.99	1.19	1.39	0.84	3.43	4.93	4.99	5.44	2.24	1.88	1.91	5.11	4.45	4.30	4.52	5.58	4.29	2.36
SE OF CHANGE DELTA-P		4.19	5.95	4.32	3.86	1.70	1.91	1.20	4.42	6.81	6.25	7.54	3.08	2.58	2.33	7.10	6.22	7.36	6.29	7.17	6.19	3.47
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	10.69	7.65	13.01	9.76	12.42	9.11	12.38	10.92	9.87	9.67	14.20	8.00	10.33	6.14	14.37	12.56	9.49	4.98	8.08	16.11	10.92	11.19
1969-70 P-VALUE	7.62	8.79	7.62	6.03	8.49	5.96	[illegible].55	7.46	6.61	11.38	11.83	4.52	7.82	5.75	9.20	4.98	7.91	4.38	9.21	11.27	7.73	7.39
CHANGE P-VALUE	3.07#	-1.14	5.39#	3.73	3.93	3.15	2.83	3.46*	3.26	-1.71	2.37	3.48	2.51	0.39	5.17#	7.58*	1.58	0.60	-1.13	4.84	3.19	3.80
1972-73 SE OF P-VAL	0.88	1.44	1.75	1.88	1.67	1.40	1.09	1.16	1.53	1.82	6.30	3.02	1.87	0.97	1.39	3.08	1.56	2.23	1.88	3.70	1.31	1.62
1969-70 SE OF P-VAL	0.77	1.52	1.15	1.73	1.35	0.78	1.26	0.90	1.55	2.28	4.11	1.77	1.51	1.03	1.28	1.90	1.89	1.12	2.58	2.73	1.44	1.43
SE OF CHANGE P-VALUE	1.17	2.09	2.09	2.55	2.15	1.60	1.67	1.47	2.18	2.92	7.52	3.50	2.40	1.41	1.89	3.62	2.45	2.50	3.19	4.60	1.95	2.16
1972-73 DELTA-P		-3.04*	2.32	-0.93	1.73	-1.58	1.69	0.23	-0.82	-1.02	3.51	-2.69	-0.36	-4.55#	3.6[illegible]	1.87	-1.20	-5.71#	-2.61	5.42	0.23	0.50
1969-70 DELTA-P		1.17	0.00	-1.59	0.87	-1.66#	1.93#	-0.16	-1.01	3.76	4.21	-3.10	0.20	-1.87*	1.58	-2.64	0.29	-3.24#	1.59	3.65	0.11	-0.23
CHANGE DELTA-P		-4.21*	2.32	0.66	0.86	0.08	-0.24	0.39	0.19	-4.78	-0.70	0.41	-0.56	-2.68*	2.10	4.51	-1.49	-2.47	-4.20	1.77	0.12	0.73
1972-73 SE OF DP		1.37	1.56	1.53	1.41	0.87	0.90	0.41	1.03	1.92	6.06	3.06	1.54	0.92	[illegible]	3.05	1.87	2.17	2.06	3.29	1.39	1.23
1969-70 SE OF DP		1.31	1.18	1.30	1.27	0.63	0.73	0.31	1.59	2.17	3.95	1.74	1.26	0.85	[illegible]	1.89	1.92	1.21	2.42	2.50	1.63	1.03
SE OF CHANGE DELTA-P		1.90	1.96	2.01	1.90	1.07	1.16	0.51	2.42	2.90	7.23	3.52	1.99	1.25	1.39	3.59	2.68	2.48	3.18	4.13	2.14	1.60

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201059-1

72-73 Report #: UP189
69-70 Report #: U652

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 02-22
69-70 Package-Exercise: 03-09

72-73 National P-val:
UP189 28.11
69-70 National P-value:
UP189 33.38

Timing: (in seconds)
Stimulus: 12
Response: 38
I don't know: 5
Pause: 6
UP189 Exercise total: 61

EXERCISE: 201059-1 UP189

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.15	0.16	0.15	0.15	0.14	0.16	0.14	0.08	0.63	0.00	0.00	0.85	0.18	0.00	0.18	0.00	0.76	0.00	0.00	0.00	0.56	0.00
1969-70 P-VALUE	0.16	0.09	0.48	0.00	0.19	0.19	0.12	0.06	0.87	0.00	0.00	0.39	0.32	0.00	0.16	0.73	0.00	0.00	0.00	0.16	0.00	0.19
CHANGE P-VALUE	-0.01	0.07	-0.33	0.15	-0.05	-0.03	0.02	0.02	-0.24	0.00	0.00	0.46	-0.14	0.00	0.02	-0.73	0.76	0.00	0.00	-0.16	0.56	-0.19
1972-73 SE OF P-VAL	0.07	0.11	0.16	0.15	0.14	0.10	0.10	0.05	0.40	0.00	0.00	0.82	0.18	0.00	0.11	0.00	0.43	0.00	0.00	0.00	0.40	0.00
1969-70 SE OF P-VAL	0.07	0.08	0.26	0.00	0.18	0.10	0.10	0.06	0.40	0.00	0.00	0.40	0.23	0.00	0.09	0.46	0.00	0.00	0.00	0.16	0.00	0.14
SE OF CHANGE P-VALUE	0.10	0.14	0.31	0.15	0.23	0.14	0.14	0.08	0.57	0.00	0.00	0.91	0.29	0.00	0.14	0.46	0.43	0.00	0.00	0.16	0.40	0.14
1972-73 DELTA-P		0.01	0.00	0.00	-0.01	0.01	-0.01	-0.07	0.48	-0.15*	-0.15*	0.70	0.03	-0.15*	0.03	-0.15*	0.61	-0.15*	-0.15*	-0.15*	0.41	-0.15*
1969-70 DELTA-P		-0.07	0.32	-0.16*	0.03	0.03	-0.04	-0.10	0.71*	-0.16*	-0.16*	0.23	0.16	-0.16*	0.00	0.57	-0.16*	-0.16*	-0.16*	0.00	-0.16*	0.03
CHANGE DELTA-P		0.08	-0.32	0.16	-0.04	-0.02	0.03	0.03	-0.23	0.01	0.01	0.47	-0.13	0.01	0.03	-0.72	0.77	0.01	0.01	-0.15	0.57	-0.18
1972-73 SE OF DP		0.10	0.13	0.12	0.12	0.07	0.07	0.06	0.35	0.07	0.07	0.79	0.15	0.07	0.08	0.07	0.39	0.07	0.07	0.07	0.36	0.07
1969-70 SE OF DP		0.09	0.22	0.07	0.14	0.07	0.07	0.05	0.35	0.07	0.07	0.38	0.18	0.07	0.09	0.42	0.07	0.07	0.07	0.16	0.07	0.10
SE OF CHANGE DELTA-P		0.13	0.26	0.14	0.18	0.10	0.10	0.08	0.49	0.10	0.10	0.88	0.23	0.10	0.12	0.43	0.40	0.10	0.10	0.17	0.37	0.12
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	28.11	26.03	30.87	28.09	27.64	30.22	26.07	28.60	25.40	28.00	30.57	34.05	27.64	29.17	26.68	30.76	20.96	26.72	29.59	30.43	28.68	28.55
1969-70 P-VALUE	33.38	32.62	31.80	34.44	34.04	38.12	28.47	33.19	34.06	34.39	30.60	29.88	31.57	37.38	32.12	37.19	27.77	39.54	26.99	34.07	36.09	32.32
CHANGE P-VALUE	-5.27#	-6.59*	-0.93	-6.35	-6.40	-7.90#	-2.40	-4.59*	-8.66#	-6.39	-0.03	4.17	-3.93	-8.21#	-5.44*	-6.43	-6.81	-12.82*	2.60	-3.64	-7.41	-3.77
1972-73 SE OF P-VAL	1.06	2.46	2.07	1.68	2.36	1.66	1.58	1.29	2.21	1.72	5.66	5.86	2.19	1.75	1.51	2.76	3.01	2.60	3.07	1.80	4.51	2.34
1969-70 SE OF P-VAL	1.26	1.68	2.98	2.71	2.57	1.45	1.76	1.48	2.60	3.26	7.65	4.64	2.72	2.25	2.02	3.12	1.76	4.50	4.26	4.46	2.36	2.51
SE OF CHANGE P-VALUE	1.65	2.98	3.63	3.19	3.49	2.20	2.37	1.96	3.41	4.95	9.52	7.47	3.49	2.85	2.52	4.17	3.49	5.20	5.25	4.81	5.09	3.43
1972-73 DELTA-P		-2.08	2.76	-0.02	-0.47	2.11	-2.04	0.49	-2.71	-0.11	2.46	5.94	-0.47	1.06	-1.43	2.65	-7.15*	-1.39	1.48	2.32	0.57	0.44
1969-70 DELTA-P		-0.76	-1.58	1.06	0.66	4.74#	-4.91#	-0.19	0.68	1.01	-2.78	-3.50	-1.81	4.00*	-1.26	3.81	-5.61#	6.16	-6.39	0.69	2.71	-1.06
CHANGE DELTA-P		-1.32	4.34	-1.08	-1.13	-2.63	2.87	0.68	-3.39	-1.12	5.24	9.44	1.34	-2.94	-0.17	-1.16	-1.54	-7.55	7.87	1.63	-2.14	1.50
1972-73 SE OF DP		2.00	1.86	1.57	2.05	1.25	1.21	0.47	2.33	3.70	5.62	5.64	1.82	1.44	1.18	2.86	2.94	2.52	2.99	1.87	4.08	1.89
1969-70 SE OF DP		1.73	2.68	2.10	2.23	1.02	1.05	0.47	2.60	3.29	7.40	4.31	2.32	1.95	1.79	3.05	2.15	4.42	4.05	4.04	2.45	1.95
SE OF CHANGE DELTA-P		2.64	3.26	2.62	3.03	1.61	1.60	0.66	3.49	4.95	9.29	7.10	2.95	2.42	2.14	4.18	3.64	5.09	5.03	4.45	4.76	2.72
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.18	7.01	10.99	5.89	9.26	8.35	8.01	7.37	11.68	10.39	12.70	3.82	6.04	4.45	11.80	10.05	12.44	5.96	6.66	6.73	9.38	7.55
1969-70 P-VALUE	7.11	7.04	7.84	6.34	7.58	5.38	8.90	7.18	6.52	7.42	8.10	3.19	6.07	5.81	9.51	5.53	8.78	7.53	6.26	5.42	7.31	7.88
CHANGE P-VALUE	1.07	-0.03	3.15	-0.45	1.68	2.97*	-0.89	0.19	5.16	2.97	4.60	0.63	-0.03	-1.36	2.29	4.52	3.66	-1.57	0.40	1.31	2.07	-0.33
1972-73 SE OF P-VAL	0.85	1.55	2.03	0.95	1.97	1.15	0.93	0.86	2.45	2.58	3.01	1.70	1.52	0.88	1.16	2.90	2.08	2.21	1.93	1.86	2.38	1.50
1969-70 SE OF P-VAL	0.64	1.59	0.75	1.37	0.91	0.72	0.98	0.76	1.42	1.97	2.78	1.40	1.35	1.20	1.29	0.99	2.15	3.25	1.36	2.67	1.83	1.18
SE OF CHANGE P-VALUE	1.06	2.22	2.16	1.67	2.17	1.36	1.35	1.15	2.83	3.25	4.10	2.20	2.03	1.49	1.73	3.06	2.99	3.93	2.36	3.25	3.00	1.91
1972-73 DELTA-P		-1.17	2.81	-2.29*	1.08	0.17	-0.17	-0.81*	3.50	2.21	4.52	-4.36#	-2.14	-3.73#	3.62#	1.87	4.26*	-2.22	-1.52	-1.45	1.20	-0.63
1969-70 DELTA-P		-0.07	0.73	-0.77	0.47	-1.73#	1.79#	0.07	-0.59	0.31	0.99	-3.92#	-1.04	-1.30	2.40*	-1.58	1.67	0.42	-0.85	-1.69	0.20	0.77
CHANGE DELTA-P		-1.10	2.08	-1.52	0.61	1.90*	-1.96*	-0.88	4.09	1.90	3.53	-0.44	-1.10	-2.43	1.22	3.45	2.59	-2.64	-0.67	0.24	1.00	-1.40
1972-73 SE OF DP		1.33	1.69	1.06	1.68	0.62	0.61	0.39	2.16	2.48	2.75	1.56	1.20	0.80	0.69	2.65	2.07	2.02	1.99	1.74	2.19	1.21
1969-70 SE OF DP		1.28	0.87	1.07	0.91	0.54	0.58	0.28	1.46	1.92	2.68	1.54	1.03	1.06	1.16	1.13	2.10	3.16	1.39	2.42	1.74	1.00
SE OF CHANGE DELTA-P		1.85	1.90	1.51	1.91	0.82	0.84	0.48	2.61	3.14	3.84	2.19	1.58	1.33	1.35	2.88	2.95	3.75	2.43	2.98	2.80	1.57

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201060-1

72-73 Report #: UP190
69-70 Report #: U653

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	03-30
69-70 Package-Exercise:	03-10
72-73 National P-val:	
UP190	20.29
69-70 National P-value:	
UP190	21.87

Timing: (in seconds)

	Stimulus:	15
	Response:	34
	I don't know:	5
	Pause:	6
UP190	Exercise total:	60

EXERCISE: 201060-1 UP190

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.22	0.33	0.16	0.39	0.00	0.22	0.23	0.14	0.77	0.00	0.39	0.00	0.00	0.19	0.36	0.00	0.96	0.00	0.00	0.65	0.00	0.16
1969-70 P-VALUE	0.28	0.08	0.44	0.58	0.00	0.41	0.15	0.28	0.42	0.00	0.00	0.00	0.87	0.00	0.18	1.70	0.00	0.40	0.26	0.15	0.00	0.10
CHANGE P-VALUE	-0.06	0.25	-0.28	-0.19	0.00	-0.19	0.08	-0.14	0.35	0.00	0.39	0.00	-0.87	0.19	0.18	-1.70	0.96*	-0.40	-0.26	0.50	0.00	0.06
1972-73 SE OF P-VAL	0.08	0.20	0.16	0.19	0.00	0.11	0.12	0.07	0.35	0.00	0.40	0.00	0.00	0.14	0.16	0.00	0.46	0.00	0.00	0.37	0.00	0.12
1969-70 SE OF P-VAL	0.15	0.08	0.24	0.46	0.00	0.29	0.09	0.18	0.25	0.00	0.00	0.00	0.60	0.00	0.10	1.40	0.00	0.42	0.26	0.16	0.00	0.08
SE OF CHANGE P-VALUE	0.17	0.22	0.29	0.50	0.00	0.31	0.15	0.19	0.43	0.00	0.40	0.00	0.60	0.14	0.19	1.40	0.46	0.42	0.26	0.40	0.00	0.14
1972-73 DELTA-P		0.11	-0.06	0.17	-0.22#	0.00	0.01	-0.08	0.55	-0.22#	0.17	-0.22#	-0.22#	-0.03	0.14	-0.22#	0.74	-0.22#	-0.22#	0.43	-0.22#	-0.06
1969-70 DELTA-P		-0.20	0.16	0.30	-0.28	0.13	-0.13	0.00	0.14	-0.28	-0.28	-0.28	0.59	-0.28	-0.10	1.42	-0.28	0.12	-0.02	-0.13	-0.28	-0.18
CHANGE DELTA-P		0.31	-0.22	-0.13	0.06	-0.13	0.14	-0.08	0.41	0.06	0.45	0.06	-0.81	0.25	0.24	-1.64	1.02*	-0.34	-0.20	0.56	0.06	0.12
1972-73 SE OF DP		0.17	0.14	0.15	0.08	0.08	0.09	0.05	0.31	0.08	0.39	0.08	0.08	0.11	0.10	0.08	0.42	0.08	0.08	0.33	0.08	0.10
1969-70 SE OF DP		0.16	0.24	0.32	0.15	0.15	0.15	0.05	0.27	0.15	0.15	0.15	0.45	0.15	0.16	1.26	0.15	0.41	0.28	0.21	0.15	0.16
SE OF CHANGE DELTA-P		0.23	0.28	0.35	0.17	0.17	0.17	0.07	0.41	0.17	0.42	0.17	0.46	0.19	0.19	1.26	0.45	0.42	0.29	0.39	0.17	0.19
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	20.29	21.23	21.42	16.12	22.95	21.53	18.96	21.24	13.34	24.33	22.65	20.60	20.58	19.20	20.67	22.87	17.03	21.28	17.46	17.91	22.81	20.98
1969-70 P-VALUE	21.87	19.67	26.06	18.44	25.15	22.73	20.98	22.88	14.07	24.67	25.02	20.91	21.29	20.25	23.46	19.55	17.85	19.86	20.61	18.57	23.05	24.95
CHANGE P-VALUE	-1.58	1.56	-4.64	-2.32	-2.20	-1.20	-2.02	-1.64	-0.73	-0.34	-2.37	-0.31	-0.71	-1.05	-2.79	3.32	-0.82	1.42	-3.15	-0.66	-0.24	-3.97
1972-73 SE OF P-VAL	1.06	1.82	2.50	1.73	2.30	1.64	1.34	1.28	1.55	4.15	4.54	4.27	2.10	1.62	1.92	4.46	2.45	3.44	2.21	3.05	3.02	1.43
1969-70 SE OF P-VAL	1.00	1.91	2.35	2.16	1.53	1.46	1.53	1.10	2.46	3.63	4.23	3.57	2.19	1.75	1.71	3.64	2.56	3.30	3.87	2.24	2.60	1.95
SE OF CHANGE P-VALUE	1.46	2.64	3.43	2.77	2.76	2.20	2.03	1.69	2.91	5.51	6.21	5.57	3.03	2.38	2.57	5.76	3.54	4.77	4.46	3.78	3.99	2.42
1972-73 DELTA-P		0.94	1.13	-4.17#	2.66	1.24	-1.33	0.95*	-6.95#	4.04	2.36	0.31	0.29	-1.09	0.38	2.58	-3.26	0.99	-2.83	-2.38	2.52	0.69
1969-70 DELTA-P		-2.20	4.19	-3.43*	3.28*	0.86	-0.89	1.01*	-7.80#	2.80	3.15	-0.96	-0.58	-1.62	1.59	-2.32	-4.02	-2.01	-1.26	-3.30	1.18	3.08
CHANGE DELTA-P		3.14	-3.06	-0.74	-0.62	0.38	-0.44	-0.06	0.85	1.24	-0.79	1.27	0.87	0.53	-1.21	4.90	0.76	3.00	-1.57	0.92	1.34	-2.39
1972-73 SE OF DP		1.71	2.14	1.56	1.89	1.04	1.09	0.43	1.48	4.28	4.50	4.18	1.83	1.23	1.54	4.13	2.40	3.13	2.26	2.86	2.82	1.12
1969-70 SE OF DP		1.69	2.11	1.70	1.47	1.08	1.13	0.46	2.43	3.49	4.09	3.35	1.88	1.52	1.40	3.42	2.58	3.14	3.62	2.34	2.28	1.68
SE OF CHANGE DELTA-P		2.40	3.01	2.31	2.39	1.50	1.57	0.63	2.85	5.52	6.08	5.36	2.62	1.96	2.08	5.36	3.52	4.43	4.27	3.70	3.63	2.02
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.37	3.94	4.04	3.84	5.60	3.44	5.37	4.65	2.82	4.45	4.46	2.31	3.46	3.79	5.51	4.86	2.38	4.91	6.77	3.87	2.72	4.52
1969-70 P-VALUE	5.07	6.61	4.92	5.44	3.16	4.15	6.02	5.72	3.34	0.20	5.06	3.21	6.07	4.59	5.07	2.38	2.72	2.89	4.28	4.82	3.40	7.97
CHANGE P-VALUE	-0.70	-2.67	-0.88	-1.60	2.44	-0.71	-0.65	-1.07	-0.52	4.25#	-0.60	-0.90	-2.61	-0.80	0.44	2.48	-0.34	2.02	2.49	-0.95	-0.68	-3.45
1972-73 SE OF P-VAL	0.57	1.00	1.41	0.98	1.17	0.69	0.72	0.69	0.85	0.93	2.12	1.66	0.83	0.77	1.03	1.57	0.89	1.74	1.51	1.22	0.85	1.05
1969-70 SE OF P-VAL	0.79	1.73	1.16	1.91	0.72	0.85	1.03	0.98	1.05	0.19	2.57	1.34	1.43	1.21	0.81	1.07	1.09	1.11	1.14	2.21	1.08	1.66
SE OF CHANGE P-VALUE	0.97	2.00	1.83	2.15	1.37	1.09	1.26	1.19	1.35	0.95	3.33	2.13	1.65	1.43	1.31	1.90	1.41	2.06	1.89	2.52	1.37	1.96
1972-73 DELTA-P		-0.43	-0.33	-0.53	1.23	-0.93*	1.00*	0.28	-1.55	0.08	0.09	-2.06	-0.91	-0.58	1.14	0.49	-1.99*	0.54	2.40	-0.50	-1.65	0.15
1969-70 DELTA-P		1.54	-0.15	0.37	-1.91*	-0.92	0.95	0.65#	-1.73	-4.87#	-0.01	-1.86	1.00	-0.48	0.00	-2.69*	-2.35	-2.18	-0.79	-0.25	-1.67	2.90#
CHANGE DELTA-P		-1.97	-0.18	-0.90	3.14*	-0.01	0.05	-0.37	0.18	4.95#	0.10	-0.20	-1.91	-0.10	1.14	3.18	0.36	2.72	3.19	-0.25	0.02	-2.75*
1972-73 SE OF DP		0.92	1.19	0.86	1.00	0.40	0.43	0.19	0.89	0.96	1.98	1.77	0.86	0.62	0.64	1.55	0.96	1.55	1.38	1.16	0.98	0.74
1969-70 SE OF DP		1.45	1.21	1.42	0.94	0.49	0.51	0.25	1.27	0.80	2.52	1.48	0.89	0.76	0.70	1.17	1.27	1.25	1.27	1.99	1.17	1.12
SE OF CHANGE DELTA-P		1.72	1.70	1.66	1.37	0.63	0.67	0.31	1.55	1.25	3.20	2.31	1.24	0.98	0.95	1.94	1.59	1.99	1.88	2.30	1.53	1.34

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201062-1

72-73 Report #: UP191
69-70 Report #: U649

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	05-14
69-70 Package-Exercise:	04-07
72-73 National P-val:	
UP191	37.67
69-70 National P-value:	
UP191	36.76

Timing: (in seconds)

	Stimulus:	19
	Response:	30
	I don't know:	5
	Pause:	6
UP191	Exercise total:	60

EXERCISE: 201062-1 UP191

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.35	0.00	0.80	0.05	0.55	0.39	0.31	0.15	1.10	0.86	0.00	0.00	0.30	0.18	0.61	0.74	1.06	0.00	0.16	0.00	0.00	0.52
1969-70 P-VALUE	0.30	0.19	0.48	0.52	0.00	0.44	0.17	0.14	1.08	0.60	2.39	0.40	0.00	0.00	0.51	0.27	0.56	0.00	0.28	0.55	0.00	0.37
CHANGE P-VALUE	0.05	-0.19	0.32	-0.47	0.55	-0.05	0.14	0.01	0.02	0.26	-2.39	-0.40	0.30	0.18	0.10	0.47	0.50	0.00	-0.12	-0.55	0.00	0.15
1972-73 SE OF P-VAL	0.21	0.00	0.73	0.05	0.40	0.29	0.18	0.15	0.64	0.78	0.00	0.00	0.30	0.18	0.31	0.70	0.93	0.00	0.16	0.00	0.00	0.53
1969-70 SE OF P-VAL	0.15	0.13	0.54	0.31	0.00	0.28	0.10	0.11	0.83	0.59	2.18	0.41	0.00	0.00	0.29	0.27	0.82	0.00	0.27	0.37	0.00	0.38
SE OF CHANGE P-VALUE	0.26	0.13	0.91	0.31	0.40	0.40	0.21	0.19	1.05	0.98	2.18	0.41	0.30	0.18	0.42	0.75	1.02	0.00	0.31	0.37	0.00	0.65
1972-73 DELTA-P		-0.35	0.45	-0.30	0.20	0.04	-0.04	-0.20	0.75	0.51	-0.35	-0.35	-0.05	-0.17	0.26	0.39	0.71	-0.35	-0.19	-0.35	-0.35	0.17
1969-70 DELTA-P		-0.11	0.18	0.22	-0.30*	0.14	-0.13	-0.16	0.78	0.30	2.09	0.10	-0.30*	-0.30*	0.21	-0.03	0.26	-0.30*	-0.02	0.25	-0.30*	0.07
CHANGE DELTA-P		-0.24	0.27	-0.52	0.50	-0.10	0.09	-0.04	-0.03	0.21	-2.44	-0.45	0.25	0.13	0.05	0.42	0.45	-0.05	-0.17	-0.60	-0.05	0.10
1972-73 SE OF DP		0.21	0.56	0.21	0.35	0.12	0.12	0.11	0.48	0.75	0.21	0.21	0.16	0.10	0.17	0.67	0.87	0.21	0.25	0.21	0.21	0.37
1969-70 SE OF DP		0.17	0.45	0.24	0.15	0.15	0.15	0.12	0.73	0.58	2.07	0.41	0.15	0.15	0.23	0.28	0.81	0.15	0.28	0.35	0.15	0.27
SE OF CHANGE DELTA-P		0.27	0.72	0.32	0.38	0.19	0.19	0.16	0.87	0.95	2.08	0.46	0.22	0.18	0.29	0.73	0.96	0.26	0.38	0.41	0.26	0.46
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	37.67	39.75	31.48	41.03	38.32	38.91	36.44	41.27	25.37	25.93	35.80	36.30	40.34	43.71	31.61	32.22	24.10	47.13	37.07	43.93	41.22	35.82
1969-70 P-VALUE	36.76	41.50	35.19	32.14	38.85	36.06	37.39	37.53	31.61	38.09	31.39	29.04	37.19	42.19	32.60	32.71	37.64	43.77	35.29	38.17	34.08	37.03
CHANGE P-VALUE	0.91	-1.75	-3.71	8.89*	-0.53	2.85	-0.95	3.74	-6.24	-12.16	4.41	7.26	3.15	1.52	-0.99	-0.49	-13.54*	3.36	1.78	5.76	7.14	-1.21
1972-73 SE OF P-VAL	1.26	2.60	2.18	2.65	2.53	1.70	1.82	1.51	2.18	4.21	4.46	5.52	2.72	2.38	1.75	4.12	3.47	4.08	3.69	2.89	4.32	2.39
1969-70 SE OF P-VAL	1.60	3.19	4.17	2.68	2.09	2.02	2.05	1.77	3.23	4.54	4.86	5.21	2.76	2.09	2.42	2.57	5.37	4.09	4.57	2.76	3.97	3.33
SE OF CHANGF P-VALUE	2.04	4.12	4.71	3.77	3.84	2.64	2.74	2.33	3.90	6.19	6.60	7.59	3.88	3.17	2.99	4.86	6.39	5.78	5.87	4.00	5.87	4.10
1972-73 DELTA-P		2.08	-6.19#	3.36	0.65	1.24	-1.23	3.60#	-12.30#	-11.74#	-1.87	-1.37	2.67	6.04#	-6.06#	-5.45	-13.57#	9.46*	-0.60	6.26*	3.55	-1.85
1969-70 DELTA-P		4.74	-1.57	-4.62	2.09	-0.70	0.63	0.77	-5.15	1.33	-5.37	-7.72	0.43	5.43#	-4.16*	-4.05	0.88	7.01	-1.47	1.41	-2.68	0.27
CHANGE DELTA-P		-2.66	-4.62	7.98*	-1.44	1.94	-1.86	2.83#	-7.15	-13.07*	3.50	6.35	2.24	0.61	-1.90	-1.40	-14.45*	2.45	0.87	4.85	6.23	-2.12
1972-73 SE OF DP		2.25	2.00	2.23	2.18	1.23	1.22	0.66	2.19	4.15	4.57	5.16	2.75	1.65	1.37	3.98	3.64	3.82	3.70	2.91	3.92	1.81
1969-70 SE OF DP		2.68	3.66	2.35	2.60	1.28	1.25	0.64	2.96	4.39	4.71	4.86	2.08	1.69	1.80	2.81	5.07	4.05	4.22	2.86	3.70	2.48
SE OF CHANGE DELTA-P		3.50	4.17	3.24	3.39	1.78	1.75	0.92	3.68	6.04	6.56	7.09	3.45	2.36	2.26	4.87	6.24	5.57	5.61	4.08	5.39	3.07
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	7.08	9.26	7.51	5.74	5.93	6.45	7.71	6.03	9.97	11.94	4.26	3.69	5.34	2.[illegible]	12.19	9.06	8.86	7.54	10.02	4.31	5.84	6.09
1969-70 P-VALUE	10.25	9.92	6.91	11.98	11.03	8.26	12.20	9.86	10.77	14.12	10.39	16.35	7.92	6.69	14.67	8.87	14.64	8.04	8.51	12.70	11.75	9.06
CHANGE P-VALUE	-3.17#	-0.66	0.60	-6.24#	-5.10*	-1.81	-4.49#	-3.83#	-0.80	-2.18	-6.13	-12.66#	-2.58	-3.71#	-2.48	0.19	-5.78	-0.50	1.51	-8.39#	-5.91	-2.97
1972-73 SE OF P-VAL	0.55	1.18	1.35	0.77	0.86	0.76	0.85	0.52	1.96	2.41	1.80	2.14	1.08	0.67	1.37	2.46	3.05	1.88	2.00	1.47	1.34	0.92
1969-70 SE OF P-VAL	0.96	2.09	1.16	1.86	2.07	1.15	1.52	1.12	1.62	2.61	3.73	4.19	1.97	1.21	1.28	1.86	2.62	4.91	1.84	2.56	2.92	1.60
SE OF CHANGE P-VALUE	1.11	2.40	1.78	2.01	2.24	1.38	1.74	1.23	2.54	3.55	4.14	4.70	2.25	1.38	1.87	3.08	4.02	5.26	2.78	2.95	3.21	1.85
1972-73 DELTA-P		2.18*	0.43	-1.34	-1.15	-0.63	0.63	-1.05#	2.89	4.86*	-2.82	-3.39	-1.74	-4.10#	5.11#	1.98	1.78	0.46	2.94	-2.77	-1.24	-0.99
1969-70 DELTA-P		-0.33	-3.34#	1.73	0.78	-1.99*	1.95*	-0.39	0.52	3.87	0.14	6.10	-2.33	-3.56#	4.42#	-1.38	4.39	-2.21	-1.74	2.45	1.50	-1.19
CHANGE DELTA-P		2.51	3.77*	-3.07	-1.93	1.36	-1.32	-0.66	2.37	0.99	-2.96	-9.49*	0.59	-0.54	0.69	3.36	-2.61	2.67	4.68	-5.22	-2.74	0.20
1972-73 SE OF DP		1.00	1.10	0.77	0.80	0.58	0.58	0.36	1.70	2.32	1.80	2.17	1.10	0.79	0.99	2.29	2.91	1.84	2.01	1.46	1.36	0.76
1969-70 SE OF DP		1.76	1.34	1.51	1.75	0.94	0.95	0.34	1.58	2.67	3.47	3.98	1.69	0.92	0.92	1.97	2.57	4.55	1.90	2.43	2.58	1.32
SE OF CHANGE DELTA-P		2.02	1.73	1.69	1.92	1.10	1.11	0.50	2.32	3.54	3.91	4.53	2.02	1.21	1.35	3.02	3.88	4.91	2.77	2.83	2.92	1.52

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201064-12

72-73 Report #: UP192
69-70 Report #: U623, U704

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	03-35	03-25
69-70 Package-Exercise:	04-12	03-06
72-73 National P-val:		
UP192	66.55	88.56
69-70 National P-value:		
UP192	74.87	93.57

Timing: (in seconds)

	Stimulus:	11	10
	Response:	63	11
	I don't know:	5	5
	Pause:	6	6
UP192	Exercise total:	85	32

1068

EXERCISE: 201064-12 UP192

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.33	0.67	0.59	0.14	0.00	0.28	0.39	0.18	1.29	0.00	0.70	0.00	0.23	0.29	0.40	0.52	0.74	0.00	0.23	0.77	0.00	0.29
1969-70 P-VALUE	0.38	0.37	0.54	0.38	0.27	0.54	0.23	0.27	0.44	1.69	0.84	0.39	0.00	0.23	0.74	0.26	0.81	0.00	0.51	0.48	0.00	0.49
CHANGE P-VALUE	-0.05	0.30	0.05	-0.24	-0.27	-0.26	0.16	-0.09	0.85	-1.69	-0.14	-0.39	0.23	0.06	-0.34	0.26	-0.07	0.00	-0.28	0.29	0.00	-0.20
1972-73 SE OF P-VAL	0.11	0.38	0.28	0.11	0.00	0.13	0.15	0.10	0.47	0.00	0.71	0.00	0.16	0.15	0.20	0.38	0.53	0.00	0.22	0.54	0.00	0.16
1969-70 SE OF P-VAL	0.17	0.28	0.56	0.29	0.27	0.30	0.18	0.14	0.73	1.24	1.96	0.41	0.00	0.23	0.35	0.27	0.80	0.00	0.36	0.49	0.00	0.40
SE OF CHANGE P-VALUE	0.20	0.47	0.63	0.31	0.27	0.33	0.23	0.17	0.87	1.24	2.08	0.41	0.16	0.27	0.40	0.47	0.96	0.00	0.42	0.73	0.00	0.43
1972-73 DELTA-P		0.34	0.26	-0.19	-0.33#	-0.05	0.06	-0.15*	0.96*	-0.33#	0.37	-0.33#	-0.10	-0.04	0.07	0.19	0.41	-0.33#	-0.10	0.44	-0.33#	-0.04
1969-70 DELTA-P		-0.01	0.16	0.00	-0.11	0.16	-0.15	-0.11	0.06	1.31	0.46	0.01	-0.38*	-0.15	0.36	-0.12	0.43	-0.38*	0.13	0.10	-0.38*	0.11
CHANGE DELTA-P		0.35	0.10	-0.19	-0.22	-0.21	0.21	-0.04	0.90	-1.64	-0.09	-0.34	0.28	0.11	-0.29	0.31	-0.02	0.05	-0.23	0.34	0.05	-0.15
1972-73 SE OF DP		0.30	0.24	0.13	0.11	0.08	0.09	0.07	0.41	0.11	0.68	0.11	0.15	0.14	0.13	0.37	0.50	0.11	0.23	0.48	0.11	0.13
1969-70 SE OF DP		0.26	0.47	0.25	0.26	0.18	0.17	0.13	0.65	1.18	1.86	0.42	0.17	0.21	0.27	0.30	0.75	0.17	0.35	0.45	0.17	0.29
SE OF CHANGE DELTA-P		0.40	0.53	0.28	0.28	0.20	0.19	0.15	0.77	1.19	1.98	0.43	0.23	0.25	0.30	0.48	0.90	0.20	0.42	0.66	0.20	0.32
AGE: 13																						
1972-73 P-VALUE	2.33	0.32	0.00	5.45	2.89	2.74	1.95	2.74	0.00	1.94	1.48	2.52	2.38	2.28	2.82	8.30	0.71	0.00	0.76	5.29	0.33	2.34
1969-70 P-VALUE	0.08	0.11	0.13	0.09	0.00	0.11	0.05	0.03	0.44	0.00	0.75	0.00	0.00	0.00	0.53	0.36	0.00	0.00	0.44	0.00	0.00	0.00
CHANGE P-VALUE	2.25	0.21	-0.13	5.36	2.89	2.63	1.90	2.71	-0.44	1.94	0.73	2.52	2.38	2.28	2.29	7.94	0.71	0.00	0.32	5.29	0.33	2.34
1972-73 SE OF P-VAL	1.19	0.24	0.00	3.71	2.28	1.42	1.02	1.44	0.00	1.26	1.15	1.86	1.35	1.31	1.30	7.96	0.70	0.00	0.49	4.71	0.32	2.17
1969-70 SE OF P-VAL	0.04	0.11	0.13	0.09	0.00	0.08	0.05	0.03	0.31	0.00	0.79	0.00	0.00	0.00	0.39	0.40	0.00	0.00	0.32	0.00	0.00	0.00
SE OF CHANGE P-VALUE	1.19	0.26	0.13	3.71	2.28	1.42	1.02	1.44	0.31	1.26	1.40	1.86	1.35	1.31	1.36	7.97	0.70	0.00	0.59	4.71	0.32	2.47
1972-73 DELTA-P		-2.01	-2.33	3.12	0.56	0.41	-0.38	0.41	-2.33	-0.39	-0.85	0.19	0.05	-0.09	0.49	5.97	-1.62	-2.33	-1.57	2.96	-2.00	0.01
1969-70 DELTA-P		0.03	0.05	0.01	-0.08	0.03	-0.03	-0.05	0.36	-0.08	0.67	-0.08	-0.08	-0.08	0.45	0.28	-0.08	-0.08	0.36	-0.08	-0.08	-0.08
CHANGE DELTA-P		-2.04	-2.38	3.11	0.64	0.38	-0.35	0.46	-2.69*	-0.31	-1.52	0.27	0.13	-0.01	0.04	5.69	-1.54	-2.25	-1.93	3.04	-1.92	0.09
1972-73 SE OF DP		1.20	1.19	2.74	1.99	0.31	0.29	0.27	1.19	1.43	1.04	1.10	0.51	0.59	0.63	7.28	1.33	1.19	1.27	4.27	1.22	1.65
1969-70 SE OF DP		0.09	0.11	0.07	0.05	0.05	0.05	0.04	0.28	0.05	0.76	0.05	0.05	0.05	0.35	0.38	0.05	0.05	0.28	0.05	0.05	0.05
SE OF CHANGE DELTA-P		1.20	1.20	2.74	1.99	0.31	0.29	0.27	1.22	1.43	1.29	1.10	0.51	0.59	0.72	7.29	1.33	1.19	1.30	4.27	1.22	1.65
RESPONSE: 04 AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	66.55	71.58	56.88	67.23	59.57	70.68	62.13	72.34	38.85	56.72	49.68	52.80	71.60	73.89	61.50	60.34	45.89	83.75	64.63	71.12	67.96	64.83
1969-70 P-VALUE	74.87	81.28	67.17	76.96	71.73	76.37	73.39	78.80	58.10	60.90	59.52	60.54	77.48	82.79	69.02	62.57	61.10	89.55	79.50	74.17	75.15	75.83
CHANGE P-VALUE	-8.32#	-9.70#	-10.29	-9.73#	-2.16	-5.69*	-11.26#	-6.46#	-19.25#	-4.18	-9.84	-7.74	-5.88	-8.90#	-7.52*	-2.23	-15.21*	-5.80	-14.87#	-3.05	-7.19	-11.00#
1972-73 SE OF P-VAL	1.73	2.89	5.01	3.12	2.75	1.95	2.19	1.81	3.68	4.64	6.73	6.13	2.34	1.76	2.42	3.42	5.50	2.70	5.18	3.05	4.95	2.84
1969-70 SE OF P-VAL	1.37	2.51	2.34	2.30	3.06	1.97	1.74	1.42	3.21	3.30	5.83	6.89	1.88	1.79	2.10	3.23	4.12	2.66	2.77	2.53	4.17	2.49
SE OF CHANGE P-VALUE	2.21	3.83	5.53	3.88	4.11	2.77	2.80	2.30	4.85	5.69	8.90	8.93	3.00	2.51	3.20	4.85	6.87	3.79	5.87	3.96	6.47	3.78
1972-73 DELTA-P		5.03	-9.67*	0.68	3.02	4.13#	-4.42#	5.79#	-27.70#	-9.83*	-16.87#	-13.75*	5.05#	7.34#	-5.05#	-6.21	-20.66#	17.20#	-1.92	4.57	1.41	-1.72
1969-70 DELTA-P		6.41#	-7.70#	2.09	-3.14	1.50	-1.48	3.93#	-16.77#	-13.97#	-15.35#	-14.33*	2.61	7.92#	-5.85#	-12.30#	-13.77#	14.68#	4.63	-0.70	0.28	0.96
CHANGE DELTA-P		-1.38	-1.97	-1.41	6.16	2.63	-2.94	1.86	-10.93*	4.14	-1.52	0.58	2.44	-0.58	0.80	6.09	-6.89	2.52	-6.55	5.27	1.13	-2.68
1972-73 SE OF DP		2.68	4.11	2.69	2.64	1.12	1.16	1.05	3.30	4.88	6.17	5.83	1.92	1.78	1.21	3.44	5.20	2.98	4.89	3.02	4.58	2.06
1969-70 SE OF DP		2.11	2.36	1.94	2.52	1.28	1.23	0.73	2.99	3.23	5.67	6.17	1.88	1.20	1.65	3.28	4.17	2.73	2.75	2.45	3.75	2.02
SE OF CHANGE DELTA-P		3.41	4.74	3.32	3.65	1.70	1.69	1.28	4.45	5.85	8.38	8.49	2.69	2.15	2.05	4.75	6.67	4.04	5.61	3.89	5.92	2.89

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201064-12 UP192

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	88.56	91.83	86.55	87.27	88.54	89.19	87.98	91.26	74.55	82.83	79.23	83.90	88.59	93.23	81.36	77.03	75.73	97.41	91.90	90.96	90.94	88.41
1969-70 P-VALUE	93.57	95.23	89.07	94.15	95.04	94.04	93.07	95.82	82.08	86.51	84.81	89.78	94.53	95.44	88.81	85.58	85.13	98.39	93.45	93.74	91.39	95.73
CHANGE P-VALUE	-5.01#	-3.40*	-2.52	-6.88	-6.50*	-4.85*	-5.09#	-4.56#	-7.53	-3.68	-5.58	-5.88	-5.94#	-2.21	-7.45	-8.55	-9.40	-0.98	-1.55	-2.78	-0.45	-7.32#
1972-73 SE OF P-VAL	1.39	1.36	2.03	4.07	2.29	1.72	1.43	1.63	3.07	4.22	3.37	3.86	1.74	1.44	2.85	8.02	5.28	0.95	1.66	4.78	2.35	2.56
1969-70 SE OF P-VAL	0.66	1.00	1.82	1.26	1.33	0.90	0.87	0.56	2.74	2.42	3.94	2.24	1.13	0.87	2.46	3.95	3.65	0.72	1.71	1.91	1.67	0.98
SE OF CHANGE P-VALUE	1.54	1.69	2.73	4.26	2.65	1.94	1.67	1.72	4.11	4.86	5.18	4.46	2.07	1.68	3.76	8.94	6.42	1.19	2.38	5.15	2.88	2.74
1972-73 DELTA-P		3.27	-2.01	-1.29	-0.02	0.63	-0.58	2.70#	-14.01#	-5.73	-9.33#	-4.66	0.03	4.67#	-7.20#	-11.53	-12.83*	8.85#	3.34	2.40	2.38	-0.15
1969-70 DELTA-P		1.66	-4.50#	0.58	1.47	0.47	-0.50	2.25#	-11.43#	-7.06#	-8.76*	-3.79	0.96	1.87#	-4.76*	-7.99*	-8.44*	4.82#	-0.12	0.17	-2.18	2.16#
CHANGE DELTA-P		1.61	2.49	-1.87	-1.49	0.16	-0.08	0.45	-2.52	1.33	-0.57	-0.87	-0.93	2.80*	-2.44	-3.54	-4.39	4.03*	3.46	2.23	4.56	-2.31
1972-73 SE OF DP		1.70	2.06	3.05	2.12	0.75	0.69	0.74	3.14	4.04	2.92	3.13	1.17	1.05	2.30	7.21	5.20	1.56	2.04	4.63	2.46	1.89
1969-70 SE OF DP		0.97	1.56	1.03	1.18	0.60	0.55	0.50	2.42	2.32	3.74	2.11	0.92	0.70	2.11	3.74	3.49	0.92	1.66	1.81	1.60	0.84
SE OF CHANGE DELTA-P		1.96	2.58	3.22	2.43	0.96	0.88	0.89	3.96	4.66	4.74	3.77	1.49	1.26	3.26	8.12	6.26	1.81	2.63	4.97	2.93	2.07

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.21	5.99	8.36	4.68	6.22	4.90	7.61	4.97	11.49	9.86	2.99	7.08	4.21	2.38	10.72	4.47	12.62	2.08	6.65	5.75	3.67	7.09
1969-70 P-VALUE	2.58	1.85	2.92	2.92	2.65	1.95	3.19	2.03	3.69	7.21	2.53	2.24	2.37	0.50	5.05	4.22	4.79	0.97	2.09	3.78	2.47	1.82
CHANGE P-VALUE	3.63#	4.14#	5.44#	1.76	3.57#	2.95#	4.42#	2.94#	7.80#	2.65	0.46	4.84	1.84	1.88#	5.67#	0.25	7.83#	1.11	4.56*	1.97	2.20	5.27#
1972-73 SE OF P-VAL	0.57	0.96	1.60	1.15	0.84	0.67	0.90	0.61	1.48	2.14	1.47	2.83	0.90	0.60	1.20	1.64	2.04	0.80	1.76	1.60	1.84	1.00
1969-70 SE OF P-VAL	0.40	0.74	0.88	0.82	0.70	0.51	0.59	0.39	1.14	1.53	1.03	1.25	0.71	0.19	1.02	1.46	1.39	0.69	0.79	1.52	0.91	0.54
SE OF CHANGE P-VALUE	0.70	1.21	1.83	1.41	1.09	0.84	1.08	0.72	1.87	2.63	1.79	3.09	1.15	0.63	1.57	2.20	2.47	1.06	1.93	2.21	2.05	1.14
1972-73 DELTA-P		-0.22	2.15	-1.53	0.01	-1.31*	1.40#	-1.24#	5.28#	3.65	-3.22*	0.87	-2.00*	-3.83#	4.51#	-1.74	6.41#	-4.13#	0.44	-0.46	-1.54	0.88
1969-70 DELTA-P		-0.73	0.34	0.34	0.07	-0.63	0.61	-0.55#	1.11	4.63#	-0.05	-0.34	-0.21	-2.08#	2.47#	1.64	2.21	-1.61*	-0.49	1.20	-0.11	-0.76
CHANGE DELTA-P		0.51	1.81	-1.87	-0.06	-0.68	0.79	-0.69	4.17*	-0.98	-3.17	1.21	-1.79	-1.75*	2.04	-3.38	4.20	-2.52*	0.93	-1.66	-1.43	1.64
1972-73 SE OF DP		0.90	1.34	0.96	0.81	0.53	0.55	0.33	1.35	2.12	1.57	2.90	0.95	0.61	0.75	1.67	2.00	0.86	1.73	1.49	1.70	0.76
1969-70 SE OF DP		0.64	0.80	0.65	0.64	0.39	0.37	0.20	1.00	1.44	0.95	1.28	0.67	0.34	0.74	1.38	1.35	0.69	0.77	1.32	0.85	0.50
SE OF CHANGE DELTA-P		1.10	1.56	1.16	1.03	0.66	0.66	0.39	1.68	2.56	1.84	3.17	1.16	0.70	1.05	2.17	2.41	1.10	1.89	1.99	1.90	0.91

AGE: 13

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.84	1.59	1.08	0.19	0.61	0.93	0.76	0.31	3.50	2.17	1.97	0.46	0.42	0.63	2.12	0.54	3.44	0.00	0.54	0.33	0.08	1.13
1969-70 P-VALUE	0.13	0.10	0.00	0.13	0.28	0.14	0.12	0.00	0.53	1.14	1.10	0.25	0.00	0.09	0.26	0.00	0.48	0.00	0.00	0.31	0.00	0.19
CHANGE P-VALUE	0.71#	1.49*	1.08*	0.06	0.33	0.79#	0.64	0.31	2.97#	1.03	0.87	0.21	0.42	0.54	1.86*	0.54	2.96	0.00	0.54	0.02	0.08	0.94*
1972-73 SE OF P-VAL	0.22	0.67	0.46	0.14	0.31	0.28	0.32	0.16	1.07	1.08	1.15	0.41	0.22	0.32	0.84	0.51	1.61	0.00	0.38	0.31	0.07	0.43
1969-70 SE OF P-VAL	0.06	0.11	0.00	0.13	0.20	0.10	0.09	0.00	0.38	0.83	1.10	0.25	0.00	0.09	0.27	0.00	0.46	0.00	0.00	0.30	0.00	0.14
SE OF CHANGE P-VALUE	0.23	0.68	0.46	0.19	0.37	0.30	0.33	0.16	1.14	1.36	1.59	0.48	0.22	0.33	0.88	0.51	1.67	0.00	0.38	0.43	0.07	0.45
1972-73 DELTA-P		0.75	0.24	-0.65#	-0.23	0.09	-0.08	-0.53#	2.66#	1.33	1.13	-0.38	-0.42*	-0.21	1.28	-0.30	2.60	-0.84#	-0.30	-0.51	-0.76#	0.29
1969-70 DELTA-P		-0.03	-0.13	0.00	0.15	0.01	-0.01	-0.13	0.80	1.01	0.97	0.12	-0.13	-0.04	0.13	-0.13	0.35	-0.13	-0.13	0.18	-0.13	0.06
CHANGE DELTA-P		0.78	0.37	-0.65#	-0.38	0.08	-0.07	-0.40*	2.26*	0.32	0.16	-0.50	-0.29	-0.17	1.15	-0.17	2.25	-0.71#	-0.17	-0.69	-0.63#	0.23
1972-73 SE OF DP		0.52	0.41	0.24	0.31	0.22	0.20	0.18	0.94	1.04	1.05	0.43	0.21	0.26	0.76	0.51	1.49	0.22	0.41	0.40	0.23	0.32
1969-70 SE OF DP		0.10	0.07	0.11	0.16	0.07	0.06	0.07	0.33	0.78	1.07	0.24	0.07	0.07	0.25	0.07	0.44	0.07	0.07	0.27	0.07	0.11
SE OF CHANGE DELTA-P		0.53	0.42	0.26	0.35	0.23	0.21	0.19	1.00	1.30	1.50	0.49	0.22	0.27	0.80	0.51	1.55	0.23	0.42	0.48	0.24	0.34

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201074-234

72-73 Report #: UP193
69-70 Report #: U744, U827

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	09-08	01-17	03-19
69-70 Package-Exercise:	09-12	07-11	
72-73 National P-val:			
UP193	24.81	49.01	47.48
69-70 National P-value:			
UP193	28.36	47.16	
Timing: (in seconds)			
Stimulus:	30	28	32
Response:	20	21	*
I don't know:	5	5	*
Pause:	6	6	*
UP193 Exercise total:	61	60	*

*Time not limited by paced tape.

EXERCISE: 201074-234 UP193

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.15	0.15	0.23	0.23	0.00	0.22	0.07	0.13	0.08	0.52	0.00	0.00	0.20	0.00	0.61	0.08	0.00	0.00	0.35	0.00	0.84	0.00
1969-70 P-VALUE	0.17	0.48	0.18	0.00	0.00	0.28	0.07	0.15	0.00	0.86	0.00	0.36	0.00	0.00	1.32	0.00	0.27	0.00	0.22	0.00	0.00	0.37
CHANGE P-VALUE	-0.02	-0.33	0.05	0.23	0.00	-0.06	0.00	-0.02	0.08	-0.34	0.00	-0.36	0.20	0.00	-0.71	0.08	-0.27	0.00	0.13	0.00	0.84	-0.37
1972-73 SE OF P-VAL	0.08	0.15	0.20	0.23	0.00	0.15	0.07	0.09	0.08	0.50	0.00	0.00	0.19	0.00	0.39	0.09	0.00	0.00	0.32	0.00	0.56	0.00
1969-70 SE OF P-VAL	0.11	0.39	0.14	0.00	0.00	0.22	0.05	0.13	0.00	0.58	0.00	0.27	0.00	0.00	1.08	0.00	0.26	0.00	0.22	0.00	0.00	0.32
SE OF CHANGE P-VALUE	0.14	0.42	0.24	0.23	0.00	0.27	0.09	0.16	0.08	0.77	0.00	0.27	0.19	0.00	1.15	0.09	0.26	0.00	0.39	0.00	0.56	0.32
1972-73 DELTA-P		0.00	0.08	0.08	-0.15	0.07	-0.08	-0.02	-0.07	0.37	-0.15	-0.15	0.05	-0.15	0.46	-0.07	-0.15	-0.15	0.20	-0.15	0.69	-0.15
1969-70 DELTA-P		0.31	0.01	-0.17	-0.17	0.11	-0.10	-0.02	-0.17	0.69	-0.17	0.19	-0.17	-0.17	1.15	-0.17	0.10	-0.17	0.05	-0.17	-0.17	0.20
CHANGE DELTA-P		-0.31	0.07	0.25	0.02	-0.04	0.02	0.00	0.10	-0.32	0.02	-0.34	0.22	0.02	-0.69	0.10	-0.25	0.02	0.15	0.02	0.86	-0.35
1972-73 SE OF DP		0.13	0.17	0.18	0.08	0.08	0.09	0.04	0.11	0.47	0.08	0.08	0.15	0.08	0.34	0.11	0.08	0.08	0.30	0.08	0.49	0.08
1969-70 SE OF DP		0.29	0.15	0.11	0.11	0.12	0.11	0.05	0.11	0.55	0.11	0.26	0.11	0.11	0.98	0.11	0.26	0.11	0.22	0.11	0.11	0.22
SE OF CHANGE DELTA-P		0.32	0.23	0.21	0.14	0.14	0.14	0.06	0.16	0.72	0.14	0.27	0.19	0.14	1.04	0.16	0.27	0.14	0.37	0.14	0.50	0.23
AGE: 17																						
1972-73 P-VALUE	0.28	0.69	0.19	0.11	0.09	0.34	0.22	0.03	2.19	0.52	0.44	0.00	0.19	0.09	2.46	0.00	2.62	0.15	0.00	0.28	0.00	0.10
1969-70 P-VALUE	0.13	0.25	0.00	0.00	0.26	0.13	0.13	0.15	0.00	0.00	0.00	0.49	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.18
CHANGE P-VALUE	0.15	0.44	0.19	0.11	-0.17	0.21	0.09	-0.12	2.19*	0.52	0.44	-0.49	0.19	-0.04	2.46	0.00	2.62	0.15	0.00	-0.38	0.00	-0.08
1972-73 SE OF P-VAL	0.11	0.38	0.18	0.11	0.08	0.16	0.12	0.02	0.91	0.50	0.44	0.00	0.14	0.09	1.49	0.00	1.41	0.14	0.00	0.28	0.00	0.09
1969-70 SE OF P-VAL	0.09	0.25	0.00	0.00	0.27	0.13	0.13	0.11	0.00	0.00	0.00	0.48	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.19
SE OF CHANGE P-VALUE	0.14	0.45	0.18	0.11	0.28	0.21	0.18	0.11	0.91	0.50	0.44	0.49	0.14	0.16	1.49	0.00	1.41	0.14	0.00	0.71	0.00	0.21
1972-73 DELTA-P		0.41	-0.09	-0.17	-0.19	0.06	-0.06	-0.25*	1.91*	0.24	0.16	-0.28#	-0.09	-0.19	2.18	-0.28#	2.34	-0.13	-0.28#	0.00	-0.28#	-0.18
1969-70 DELTA-P		0.12	-0.13	-0.13	0.13	0.00	0.00	0.02*	-0.13	-0.13	-0.13	0.36	-0.13	0.00	-0.13	-0.13	-0.13	-0.13	-0.13	0.53	-0.13	0.05
CHANGE DELTA-P		0.29	0.04	-0.04	-0.32	0.06	-0.06	-0.27*	2.04#	0.37	0.29	-0.64	0.04	-0.19	2.31	-0.15	2.47	0.00	-0.15	-0.53	-0.15	-0.23
1972-73 SE OF DP		0.29	0.18	0.14	0.13	0.08	0.08	0.12	0.80	0.43	0.43	0.11	0.16	0.11	1.40	0.11	1.33	0.20	0.11	0.26	0.11	0.12
1969-70 SE OF DP		0.20	0.09	0.09	0.21	0.10	0.09	0.01	0.09	0.09	0.09	0.42	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.59	0.09	0.13
SE OF CHANGE DELTA-P		0.35	0.20	0.17	0.25	0.13	0.12	0.12	0.81	0.44	0.44	0.43	0.18	0.15	1.40	0.14	1.33	0.22	0.14	0.64	0.14	0.18
AGE: Ad																						
1972-73 P-VALUE	0.38	1.19	0.45	0.00	0.00	0.79	0.00	0.11	2.76	0.00	0.00	0.58	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.79	0.00	0.00
1972-73 SE OF P-VAL	0.30	1.18	0.44	0.00	0.00	0.62	0.00	0.11	2.66	0.00	0.00	0.57	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.80	0.00	0.00
1972-73 DELTA-P		0.81	0.07	-0.38	-0.38	0.41	-0.38	-0.27	2.38	-0.38	-0.38	0.20	0.55	-0.38	-0.38	-0.38	2.62	-0.38	-0.38	0.41	-0.38	-0.38
1972-73 SE OF DP		0.90	0.45	0.30	0.30	0.32	0.30	0.29	2.38	0.30	0.30	0.56	0.64	0.30	0.30	0.30	2.63	0.30	0.30	0.76	0.30	0.30
RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	24.81	27.61	21.98	26.46	23.13	27.12	22.30	26.49	13.12	23.85	19.09	20.40	23.37	29.81	19.01	18.81	16.58	34.05	21.49	24.46	29.59	24.25
1969-70 P-VALUE	28.36	31.63	23.64	28.85	28.57	29.87	27.16	30.64	18.36	23.23	25.91	16.82	25.98	33.57	29.14	27.62	17.23	35.84	29.18	26.74	37.37	25.45
CHANGE P-VALUE	-3.55*	-4.02	-1.66	-2.39	-5.44*	-2.75	-4.86*	-4.15*	-5.24	0.62	-6.82	3.58	-2.61	-3.76	-10.13*	-8.81	-0.65	-1.79	-7.69	-2.28	-7.78	-1.20
1972-73 SE OF P-VAL	1.19	3.33	1.86	2.32	1.85	1.72	1.40	1.41	1.68	2.49	3.15	2.91	1.58	2.08	2.38	2.45	3.88	4.58	3.14	2.72	4.11	2.16
1969-70 SE OF P-VAL	1.21	2.14	2.71	2.77	1.71	1.76	1.72	1.30	2.55	3.59	5.72	2.81	1.98	1.62	3.75	4.78	2.80	4.16	3.46	4.07	3.25	1.70
SE OF CHANGE P-VALUE	1.70	3.96	3.29	3.61	2.52	2.46	2.22	1.92	3.05	4.37	6.53	4.05	2.53	2.64	4.44	5.37	4.78	6.19	4.67	4.90	5.24	2.75
1972-73 DELTA-P		2.80	-2.83	1.65	-1.68	2.31*	-2.51*	1.68#	-11.69#	-0.96	-5.72	-4.41	-1.44	5.00#	-5.80*	-6.00*	-8.23*	9.24*	-3.32	-0.35	4.78	-0.56
1969-70 DELTA-P		3.27	-4.72*	0.49	0.21	1.51	-1.20	2.28#	-10.00#	-5.13	-2.45	-11.54#	-2.38	5.21#	0.78	-0.74	-11.13#	7.48	0.82	-1.62	9.01#	-2.91
CHANGE DELTA-P		-0.47	1.89	1.16	-1.89	0.80	-1.31	-0.60	-1.69	4.17	-3.27	7.13	0.94	-0.21	-6.58	-5.26	2.90	1.76	-4.14	1.27	-4.23	2.35
1972-73 SE OF DP		2.69	1.81	1.99	1.75	1.00	1.10	0.44	1.95	2.64	3.20	2.73	1.31	1.30	2.33	2.77	4.02	4.13	3.00	2.40	3.78	1.95
1969-70 SE OF DP		1.90	2.29	2.29	1.72	1.33	1.24	0.62	2.34	3.63	5.91	2.58	1.54	1.13	3.53	4.56	2.77	4.03	3.52	3.75	2.89	1.57
SE OF CHANGE DELTA-P		3.29	2.92	3.03	2.45	1.66	1.66	0.76	3.05	4.49	6.72	3.76	2.02	1.72	4.23	5.34	4.88	5.77	4.62	4.45	4.76	2.50

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201074-234 0P193

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05* AGE: 17 — TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	49.01	49.17	49.60	47.85	49.52	53.77	44.40	51.69	32.00	41.03	36.01	41.25	45.35	56.12	38.13	45.83	29.96	56.65	38.51	55.93	47.09	51.04
1969-70 P-VALUE	47.16	54.58	40.87	43.90	47.66	51.40	43.14	48.99	27.45	47.62	43.33	36.50	41.08	55.05	32.76	36.77	34.88	62.46	46.27	45.22	47.86	47.83
CHANGE P-VALUE	1.85	-5.41	8.73	3.95	1.86	2.37	1.26	2.70	4.55	-6.59	-7.32	4.75	4.27	1.07	5.37	9.06	-4.92	-5.81	-7.76	10.71	-0.77	3.21
1972-73 SE OF P-VAL	1.65	2.69	3.14	3.56	3.59	2.34	2.00	1.82	3.47	4.39	3.75	3.69	2.44	1.99	6.17	4.41	5.10	3.90	4.31	5.01	4.40	2.39
1969-70 SE OF P-VAL	1.95	2.99	3.81	4.47	2.94	2.51	2.17	2.05	3.45	8.21	6.26	3.11	2.80	2.12	7.42	5.47	4.40	4.66	3.01	6.02	4.42	3.67
SE OF CHANGE P-VALUE	2.55	4.32	4.94	5.71	4.64	3.43	2.95	2.74	4.89	9.31	7.30	4.83	3.71	2.91	9.65	7.03	6.74	6.08	5.26	7.83	6.24	4.38
1972-73 DELTA-P		0.16	0.59	-1.16	0.51	4.76#	-4.61#	2.68#	-17.01#	-7.98	-13.00#	-7.76*	-3.66	7.11#	-10.88	-3.18	-19.05#	7.64*	-10.50*	6.92	-1.92	2.03
1969-70 DELTA-P		7.42#	-6.29	-3.26	0.50	4.24#	-4.02#	1.83#	-19.71#	0.46	-3.83	-10.66#	-6.08#	7.89#	-14.40	-10.39	-12.28#	15.30#	-0.89	-1.94	0.70	0.67
CHANGE DELTA-P		-7.26	6.88	2.10	0.01	0.52	-0.59	0.85	2.70	-8.44	-9.17	2.90	2.42	-0.78	3.52	7.21	-6.77	-7.66	-9.61	8.86	-2.62	1.36
1972-73 SE OF DP		2.45	2.94	2.97	2.95	1.46	1.51	0.70	3.51	4.32	3.88	3.89	1.86	1.10	5.84	4.28	5.34	3.67	4.45	4.61	4.05	1.81
1969-70 SE OF DP		2.77	3.56	3.34	2.81	1.37	1.29	0.58	3.32	7.96	5.83	2.72	1.67	1.24	7.71	5.20	4.58	4.55	3.29	5.62	4.12	2.44
SE OF CHANGE DELTA-P		3.70	4.62	4.47	4.07	2.00	1.99	0.91	4.83	9.06	7.00	4.74	2.50	1.66	9.67	6.73	7.04	5.85	5.53	7.27	5.78	3.04
AGE: Ad																						
1972-73 P-VALUE	47.48	46.75	42.66	48.80	50.44	59.27	36.53	50.14	29.87	40.52	37.80	39.16	50.74	61.22	23.91	44.62	35.39	57.48	48.04	49.34	45.21	47.48
1972-73 SE OF P-VAL	1.53	2.52	2.51	2.71	3.91	2.08	2.01	1.60	2.80	6.02	2.91	3.12	2.86	2.54	5.70	2.64	4.61	4.75	5.12	4.37	4.25	2.66
1972-73 DELTA-P		-0.73	-4.82	1.32	2.96	11.79#	-10.95#	2.66#	-17.61#	-6.96	-9.68#	-8.32#	3.26	13.74#	-23.57#	-2.86	-12.09#	10.30*	0.56	1.86	-2.27	0.00
1972-73 SE OF DP		2.38	2.47	2.36	3.05	1.42	1.28	0.56	2.84	5.39	2.37	3.05	2.15	2.25	6.18	2.92	4.40	4.16	4.86	4.05	4.26	2.13
RESPONSE: 09 AGE: 13 — TEXT: I Don't Know.																						
1972-73 P-VALUE	16.77	15.99	13.57	19.10	18.09	14.62	19.10	16.93	15.82	16.39	14.98	16.69	17.21	14.65	22.52	15.13	23.46	13.24	15.73	24.58	16.19	14.55
1969-70 P-VALUE	18.40	16.77	15.97	20.71	19.86	17.03	19.71	17.91	17.09	28.27	23.33	21.66	17.44	17.15	21.19	22.34	17.34	16.01	16.83	18.29	17.97	18.90
CHANGE P-VALUE	-1.63	-0.78	-2.40	-1.61	-1.77	-2.41	-0.61	-0.98	-1.27	-11.88*	-8.35	-4.97	-0.23	-2.50	1.33	-7.21	6.12	-2.77	-1.10	6.29	-1.78	-4.35*
1972-73 SE OF P-VAL	0.95	2.08	1.64	1.98	1.87	1.12	1.47	1.08	2.36	3.36	2.92	2.88	1.60	1.39	2.74	3.58	6.22	2.69	2.60	2.41	2.84	1.51
1969-70 SE OF P-VAL	0.76	1.30	1.68	1.38	1.92	1.20	1.26	0.93	1.78	4.05	5.67	3.03	1.46	1.32	2.73	2.64	2.22	2.97	2.07	2.72	1.84	1.31
SE OF CHANGE P-VALUE	1.22	2.50	2.35	2.41	2.68	1.64	1.94	1.43	2.96	5.26	6.38	4.18	2.17	1.92	3.87	4.45	6.60	4.01	3.32	3.63	2.83	2.00
1972-73 DELTA-P		-0.78	-3.20*	2.33	1.32	-2.15#	2.33*	0.16	-0.95	-0.38	-1.79	-0.08	3.44	-2.12	5.75#	-1.64	6.69	-3.53	-1.04	7.81#	-0.58	-2.22
1969-70 DELTA-P		-1.63	-2.43	2.31	1.46	-1.37	1.31	-0.49	-1.31	9.87*	4.93	3.26	-0.96	-1.25	2.79	3.94	-1.06	-2.39	-1.57	-0.11	-0.43	0.50
CHANGE DELTA-P		0.85	-0.77	0.02	-0.14	-0.78	1.02	0.65	0.36	-10.25	-6.72	-3.34	1.40	-0.87	2.96	-5.58	7.75	-1.14	0.53	7.92*	-0.15	-2.72
1972-73 SE OF DP		1.77	1.54	1.66	1.61	0.82	0.94	0.39	2.35	3.21	2.93	2.77	1.32	1.15	2.28	3.54	5.94	2.47	2.62	2.30	2.16	1.39
1969-70 SE OF DP		1.22	1.52	1.25	1.62	1.03	0.92	0.41	1.80	4.00	5.58	2.87	1.20	1.14	2.69	2.49	2.23	2.85	1.98	2.52	1.34	1.06
SE OF CHANGE DELTA-P		2.15	2.16	2.08	2.28	1.32	1.32	0.57	2.96	5.13	6.30	3.99	1.78	1.62	3.53	4.33	6.34	3.77	3.28	3.41	2.54	1.75
AGE: 17																						
1972-73 P-VALUE	13.17	11.95	10.62	13.26	16.25	13.07	13.27	13.06	11.64	17.35	13.52	12.37	12.22	14.00	12.30	14.12	12.12	13.59	[illegible]	16.52	12.75	11.30
1969-70 P-VALUE	13.69	12.42	13.98	13.85	14.69	12.56	14.77	13.54	13.90	16.47	16.44	14.17	14.49	12.11	30.25	15.93	10.43	11.47	[illegible]	19.04	12.41	13.89
CHANGE P-VALUE	-0.52	-0.47	-3.36	-0.59	1.56	0.51	-1.50	-0.48	-2.26	0.88	-2.92	-1.80	-2.27	1.89	-17.87*	-1.81	1.69	2.12	3.57	-2.52	0.34	-2.59
1972-73 SE OF P-VAL	0.84	1.06	2.31	1.88	1.61	1.31	1.16	0.90	2.03	4.68	3.29	2.19	1.57	1.21	2.40	2.18	2.05	2.44	2.70	2.54	2.73	1.41
1969-70 SE OF P-VAL	0.85	1.69	1.76	1.58	1.73	1.18	1.20	0.92	2.21	2.87	4.29	2.16	1.38	1.35	6.82	2.19	3.23	3.45	2.17	1.98	2.08	1.42
SE OF CHANGE P-VALUE	1.20	1.99	2.90	2.46	2.36	1.76	1.67	1.29	3.00	5.49	5.41	3.08	2.09	1.81	7.23	3.09	3.93	4.23	3.46	3.22	3.43	2.00
1972-73 DELTA-P		-1.22	-2.55	0.09	3.08*	-0.10	0.10	-0.11	-1.53	4.18	0.35	-0.80	-0.95	0.83	-0.79	0.95	-1.05	0.42	3.47	3.35	-0.42	-1.87
1969-70 DELTA-P		-1.27	0.29	0.16	1.00	-1.13	1.08	-0.15	0.21	2.78	2.75	0.48	0.80	-1.58	16.56*	2.24	-3.26	-2.22	-0.62	5.35#	-1.28	0.20
CHANGE DELTA-P		0.05	-2.84	-0.07	2.08	1.03	-0.98	0.04	-1.74	1.40	-2.40	-1.28	-1.75	2.41	-17.35*	-1.29	2.21	2.64	4.09	-2.00	0.86	-2.07
1972-73 SE OF DP		1.09	1.99	1.56	1.41	0.92	0.89	0.38	2.02	4.45	3.38	2.13	1.21	0.83	2.25	2.20	2.10	2.48	2.43	2.34	2.56	1.06
1969-70 SE OF DP		1.43	1.65	1.28	1.51	0.85	0.81	0.23	2.10	2.94	4.33	2.09	1.25	0.90	6.66	2.19	3.08	3.25	2.04	1.98	1.93	1.13
SE OF CHANGE DELTA-P		1.80	2.59	2.02	2.07	1.25	1.20	0.44	2.91	5.33	5.49	2.98	1.74	1.22	7.03	3.10	3.73	4.09	3.17	3.07	3.21	1.55
AGE: Ad																						
1972-73 P-VALUE	18.62	18.77	20.34	17.49	18.35	13.27	23.59	17.70	24.86	20.82	21.29	26.37	16.69	12.27	28.39	21.68	20.83	9.93	25.94	16.52	17.82	19.77
1972-73 SE OF P-VAL	0.93	1.22	1.38	1.83	2.42	1.04	1.44	1.06	3.31	3.73	2.11	2.80	1.47	1.44	7.24	2.32	3.10	2.24	4.37	3.10	1.95	1.75
1972-73 DELTA-P		0.15	1.72	-1.13	-0.27	-5.35#	4.97#	-0.92*	6.24	2.20	2.67	7.75#	-1.93	-6.35#	9.77	3.06	2.21	-8.69#	7.32	-2.10	-0.80	1.15
1972-73 SE OF DP		1.28	1.41	1.52	1.89	0.88	0.82	0.44	3.27	3.58	1.71	2.52	1.21	1.47	7.22	2.39	2.85	2.33	4.10	2.99	1.98	1.37

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201076-3

72-73 Report #: UP194
69-70 Report #: U825

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	02-25
69-70 Package-Exercise:	05-12
72-73 National P-val:	
UP194	38.75
69-70 National P-value:	
UP194	46.22

Timing: (in seconds)

	Stimulus:	30
	Response:	34
	I don't know:	5
	Pause:	6
UP194	Exercise total:	75

EXERCISE: 201076-3 OP194

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.10	2.78	4.50	0.68	0.87	2.28	1.95	1.68	5.20	0.71	2.84	3.86	1.53	1.05	7.94	0.00	2.60	0.59	20.22	0.34	0.69	1.24
1969-70 P-VALUE	0.27	0.00	0.21	0.00	0.88	0.23	0.31	0.32	0.00	0.00	0.00	0.00	0.13	0.48	0.00	0.00	0.00	2.65	0.30	0.00	0.00	0.00
CHANGE P-VALUE	1.83*	2.78#	4.29	0.68*	-0.01	2.05	1.64#	1.36	5.20*	0.71	2.84	3.86	1.40#	0.57	7.94#	0.00	2.60*	-2.06	19.92*	0.34	0.69	1.24
1972-73 SE OF P-VAL	0.72	0.66	3.30	0.31	0.41	1.11	0.48	0.62	2.31	0.70	1.43	2.99	0.51	0.42	2.30	0.00	1.20	0.39	8.81	0.33	0.69	0.88
1969-70 SE OF P-VAL	0.23	0.00	0.21	0.00	0.86	0.17	0.31	0.27	0.00	0.00	0.00	0.00	0.12	0.47	0.00	0.00	0.00	2.49	0.29	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.76	0.66	3.31	0.31	0.95	1.12	0.57	0.68	2.31	0.70	1.43	2.99	0.52	0.63	2.30	0.00	1.20	2.52	8.81	0.33	0.69	0.88
1972-73 DELTA-P		0.68	2.40	-1.42	-1.23	0.18	-0.15	-0.42	3.10	-1.39	0.74	1.76	-0.57	-1.05#	5.84#	-2.10#	0.50	-1.51	18.12*	-1.76*	-1.41	-0.86
1969-70 DELTA-P		-0.27	-0.06	-0.27	0.61	-0.04	0.04	0.05	-0.27	-0.27	-0.27	-0.27	-0.14	0.21	-0.27	-0.27	-0.27	2.38	0.03	-0.27	-0.27	-0.27
CHANGE DELTA-P		0.95	2.46	-1.15	-1.84	0.22	-0.19	-0.47	3.37	-1.12	1.01	2.03	-0.43	-1.26#	6.11#	-1.83*	0.77	-3.89	18.09*	-1.49	-1.14	-0.59
1972-73 SE OF DP		0.85	2.62	0.75	0.77	0.46	0.39	0.30	1.79	0.93	1.25	2.37	0.44	0.41	2.20	0.72	1.35	0.80	8.26	0.74	0.93	0.84
1969-70 SE OF DP		0.23	0.28	0.23	0.63	0.09	0.09	0.05	0.23	0.23	0.23	0.23	0.24	0.25	0.23	0.23	0.23	2.27	0.34	0.23	0.23	0.23
SE OF CHANGE DELTA-P		0.88	2.63	0.78	0.99	0.47	0.40	0.30	1.80	0.96	1.27	2.38	0.50	0.48	2.21	0.76	1.37	2.41	8.27	0.77	0.96	0.87

RESPONSE: 03* AGE: 17 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	38.75	41.90	29.56	37.88	44.18	46.86	31.82	43.45	18.40	22.05	21.64	30.49	34.45	48.17	30.38	23.85	30.00	57.10	20.49	40.91	44.64	38.91
1969-70 P-VALUE	46.22	47.02	47.64	43.88	47.32	53.14	38.96	49.34	24.37	44.89	40.45	38.29	44.68	50.65	32.76	37.78	34.92	51.43	52.26	43.42	50.35	47.15
CHANGE P-VALUE	-7.47#	-5.12	-18.08#	-6.00	-3.14	-6.28*	-7.14*	-5.89*	-5.97	-22.84#	-18.81#	-7.80	-10.23#	-2.48	-2.38	-13.93	-4.92	5.67	-31.77#	-2.51	-5.71	-8.24*
1972-73 SE OF P-VAL	1.60	3.62	2.31	2.97	2.88	2.08	2.21	1.80	2.34	4.25	3.73	3.15	2.02	2.37	4.41	4.70	3.70	5.33	5.26	2.97	3.97	1.90
1969-70 SE OF P-VAL	1.61	4.07	2.60	2.75	3.23	2.08	2.18	1.68	2.30	4.47	6.24	3.29	2.48	2.16	11.08	5.71	4.90	5.81	3.68	4.16	2.85	2.77
SE OF CHANGE P-VALUE	2.27	5.45	3.48	4.05	4.33	2.94	3.10	2.46	3.28	6.17	7.27	4.55	3.20	3.21	11.93	7.40	6.34	7.88	6.42	5.11	4.89	3.36
1972-73 DELTA-P		3.15	-9.19#	-0.87	5.43*	8.11#	-6.93#	4.70#	-20.35#	-16.70#	-17.11#	-8.26#	-4.30*	9.42#	-8.37*	-14.90#	-8.75*	18.35#	-18.26#	2.16	5.89	0.16
1969-70 DELTA-P		0.80	1.42	-2.34	1.10	6.92#	-7.26#	3.12#	-21.85#	-1.33	-5.77	-7.93#	-1.54	4.43#	-13.46	-8.44	-11.30*	5.21	6.04	-2.80	4.13	0.93
CHANGE DELTA-P		2.35	-10.61#	1.47	4.33	1.19	0.33	1.58	1.50	-15.37#	-11.34	-0.33	-2.76	4.99*	5.09	-6.46	2.55	13.14	-24.30#	4.96	1.76	-0.77
1972-73 SE OF DP		2.85	2.39	2.53	2.59	1.50	1.33	0.75	2.84	4.18	3.65	2.93	1.73	1.55	4.01	4.49	3.76	4.75	5.17	2.72	3.76	1.69
1969-70 SE OF DP		3.34	2.68	2.32	2.81	1.31	1.42	0.68	2.18	4.44	5.93	2.95	2.08	1.39	10.94	5.35	4.81	5.36	3.67	3.95	2.66	2.18
SE OF CHANGE DELTA-P		4.39	3.59	3.43	3.82	1.99	1.95	1.01	3.58	6.10	6.96	4.16	2.71	2.08	11.65	6.98	6.11	7.16	6.34	4.80	4.61	2.76

RESPONSE: 07 AGE: 17 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	13.16	12.11	14.10	12.02	14.93	9.79	16.04	11.46	17.83	25.18	22.30	11.84	14.34	9.80	23.38	16.07	14.88	9.59	19.00	13.27	10.79	12.90
1969-70 P-VALUE	9.66	10.72	7.63	8.78	11.19	7.26	12.18	9.43	10.89	10.63	8.13	9.70	11.32	8.84	4.63	9.53	12.08	10.12	8.28	12.42	9.47	8.69
CHANGE P-VALUE	3.50#	1.39	6.47#	3.24	3.74	2.53	3.86*	2.03	6.94*	14.55*	14.17#	2.14	3.02	0.96	18.75#	6.54	2.80	-0.53	10.72*	0.85	1.32	4.21*
1972-73 SE OF P-VAL	0.87	1.35	1.18	2.40	1.43	1.14	1.31	0.90	2.62	5.25	3.99	2.10	1.48	1.05	4.35	4.34	3.07	2.45	3.81	2.75	1.65	1.41
1969-70 SE OF P-VAL	0.78	1.74	1.89	0.97	1.71	0.94	1.23	0.81	2.11	3.10	2.19	2.00	1.54	1.06	3.27	2.47	2.34	2.14	2.45	1.37	1.67	1.41
SE OF CHANGE P-VALUE	1.17	2.20	2.23	2.59	2.23	1.48	1.80	1.21	3.36	6.10	4.55	2.90	2.14	1.49	5.44	4.99	3.86	3.25	4.53	3.07	2.35	1.99
1972-73 DELTA-P		-1.05	0.94	-1.14	1.77	-3.37#	2.88#	-1.70#	4.67	12.02*	9.14#	-1.32	1.18	-3.36#	10.22*	2.91	1.72	-3.57	5.84	0.11	-2.37	-0.26
1969-70 DELTA-P		1.06	-2.03	-0.88	1.53	-2.40#	2.52#	-0.23	1.23	0.97	-1.53	0.04	1.66	-0.82	-5.03	-0.13	2.42	0.46	-1.38	2.76	-0.19	-0.97
CHANGE DELTA-P		-2.11	2.97	-0.26	0.24	-0.97	0.36	-1.47*	3.44	11.05	10.67#	-1.36	-0.48	-2.54	15.25#	3.04	-0.70	-4.03	7.22	-2.65	-2.18	0.71
1972-73 SE OF DP		1.25	1.26	1.81	1.36	0.92	0.83	0.54	2.44	5.12	3.65	1.97	1.10	0.97	4.14	4.16	2.92	2.35	3.69	2.46	1.81	1.18
1969-70 SE OF DP		1.48	1.66	0.94	1.42	0.74	0.78	0.27	1.82	3.09	2.10	1.74	1.23	0.86	3.24	2.34	2.23	1.93	2.23	1.48	1.57	1.08
SE OF CHANGE DELTA-P		1.94	2.08	2.04	1.97	1.18	1.14	0.60	3.04	5.98	4.21	2.63	1.65	1.30	5.26	4.77	3.67	3.04	4.31	2.87	2.40	1.60

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201077-3

72-73 Report #: UP195
69-70 Report #: U829

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	09-22
69-70 Package-Exercise:	06-11
72-73 National P-val:	
UP195	38.29
69-70 National P-value:	
UP195	40.84

Timing: (in seconds)

	Stimulus:	18
	Response:	17
	I don't know:	5
	Pause:	5
UP195	Exercise total:	45

EXERCISE: 201077-3 UP195

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CIT	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.71	0.42	0.96	1.05	0.39	0.98	0.46	0.19	3.10	2.79	0.63	0.54	1.10	0.41	2.08	0.00	0.23	0.00	1.00	1.22	2.54	0.35
1969-70 P-VALUE	0.04	0.00	0.00	0.00	0.15	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
CHANGE P-VALUE	0.67	0.42	0.96	1.05	0.24	0.90	0.46	0.14	3.10	2.79	0.63	0.54	1.10	0.32	2.08	0.00	0.23	0.00	0.68	1.22	2.54	0.35
1972-73 SE OF P-VAL	0.36	0.23	0.63	1.08	0.38	0.53	0.20	0.15	2.47	1.76	0.64	0.39	0.70	0.25	1.53	0.00	0.23	0.00	0.55	0.77	2.54	0.35
1969-70 SE OF P-VAL	0.04	0.00	0.00	0.00	0.15	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.36	0.23	0.63	1.08	0.41	0.54	0.20	0.16	2.47	1.76	0.64	0.39	0.70	0.27	1.53	0.00	0.23	0.00	0.64	0.77	2.54	0.35
1972-73 DELTA-P		-0.29	0.25	0.34	-0.32	0.27	-0.25	-0.52	2.39	2.08	-0.08	-0.17	0.39	-0.30	1.37	-0.71	-0.48	-0.71	0.29	0.51	1.83	-0.36
1969-70 DELTA-P		-0.04	-0.04	-0.04	0.11	0.04	-0.04	0.01	-0.04	-0.04	-0.04	-0.04	-0.04	0.05	-0.04	-0.04	-0.04	-0.04	0.28	-0.04	-0.04	-0.04
CHANGE DELTA-P		-0.25	0.29	0.38	-0.43	0.23	-0.21	-0.53	2.43	2.12	-0.04	-0.13	0.43	-0.35	1.41	-0.67	-0.44	-0.67	0.01	0.55	1.87	-0.32
1972-73 SE OF DP		0.39	0.59	0.79	0.45	0.23	0.21	0.34	2.16	1.71	0.69	0.24	0.39	0.26	1.31	0.36	0.40	0.36	0.60	0.73	2.25	0.41
1969-70 SE OF DP		0.04	0.04	0.04	0.11	0.04	0.04	0.01	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.29	0.04	0.04	0.04
SE OF CHANGE DELTA-P		0.39	0.59	0.79	0.46	0.23	0.21	0.34	2.16	1.71	0.69	0.24	0.39	0.26	1.31	0.36	0.40	0.36	0.67	0.73	2.25	0.41
RESPONSE: 02* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	38.29	52.98	35.32	35.89	27.68	43.09	33.91	41.68	23.24	23.77	21.47	21.13	36.66	46.84	23.58	39.07	31.22	43.15	34.63	38.51	39.75	38.40
1969-70 P-VALUE	40.84	48.80	33.84	41.98	36.08	45.41	36.39	42.69	20.97	41.32	30.73	29.03	36.15	49.18	31.15	40.82	31.78	43.84	38.55	41.98	44.25	40.59
CHANGE P-VALUE	-2.55	4.18	1.48	-6.09	-8.40*	-2.32	-2.48	-1.01	2.27	-17.55#	-9.26	-7.90	0.51	-2.[illegible]	-7.57	-1.75	-0.56	-0.69	-3.92	-3.47	-4.50	-2.19
1972-73 SE OF P-VAL	1.41	3.20	2.40	2.65	2.62	1.88	1.91	1.58	2.20	3.55	3.66	3.30	2.49	1.77	4.56	3.92	4.72	3.79	4.81	5.14	3.85	2.50
1969-70 SE OF P-VAL	1.80	3.51	3.38	3.98	2.61	2.44	1.99	1.91	3.85	4.80	5.38	3.16	2.92	2.16	8.01	4.06	6.59	4.59	4.81	5.10	5.62	2.61
SE OF CHANGE P-VALUE	2.29	4.75	4.15	4.78	3.70	3.08	2.76	2.48	4.43	5.97	6.51	4.57	3.84	2.79	9.22	5.64	8.11	5.95	6.80	7.24	6.81	3.61
1972-73 DELTA-P		14.69#	-2.97	-2.40	-10.61#	4.80#	-4.38#	3.39#	-15.05#	-14.52#	-16.82#	-17.16#	-1.63	8.55#	-14.71#	0.78	-7.07	4.86	-3.66	0.22	1.46	0.11
1969-70 DELTA-P		7.96#	-7.00*	1.14	-4.76	4.57#	-4.45#	1.85#	-19.87#	0.48	-10.11	-11.81#	-4.69*	8.34#	-9.69	-0.02	-9.06	3.00	-2.29	1.14	3.41	-0.25
CHANGE DELTA-P		6.73	4.03	-3.54	-5.85	0.23	0.07	1.54	4.82	-15.00#	-6.71	-5.35	3.06	0.21	-5.02	0.80	1.99	1.86	-1.37	-0.92	-1.95	0.36
1972-73 SE OF DP		2.72	2.30	2.24	2.29	1.34	1.24	0.59	2.42	3.34	3.49	3.15	1.88	1.31	4.65	3.86	4.38	3.52	4.67	4.73	3.76	2.11
1969-70 SE OF DP		3.04	3.31	2.99	2.50	1.32	1.26	0.51	3.72	4.68	5.50	2.63	1.97	1.44	8.21	3.99	6.31	4.61	4.57	4.54	4.85	2.27
SE OF CHANGE DELTA-P		4.08	4.03	3.74	3.39	1.88	1.77	0.78	4.44	5.75	6.51	4.10	2.72	1.95	9.44	5.55	7.68	5.80	6.53	6.56	6.14	3.10
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	20.06	15.08	22.53	18.13	25.69	14.77	24.89	18.49	25.62	29.86	31.85	31.20	21.73	14.12	28.44	17.11	22.73	19.43	19.22	19.20	19.64	21.06
1969-70 P-VALUE	14.01	12.13	14.50	14.17	15.35	10.19	17.73	14.20	13.47	11.24	19.07	13.55	15.51	12.47	17.17	12.44	12.90	17.72	12.84	14.55	9.84	15.91
CHANGE P-VALUE	6.05#	2.95	8.03#	3.96	10.34#	4.58*	7.16#	4.29#	12.15#	18.62#	12.78*	17.65#	6.22*	1.65	11.27	4.67	9.83*	1.71	6.38	4.65	9.80#	5.15
1972-73 SE OF P-VAL	0.94	1.76	1.40	1.68	2.40	1.35	1.36	1.10	2.43	4.04	3.62	3.93	1.78	1.08	4.67	2.89	2.79	3.10	2.90	2.87	2.22	2.01
1969-70 SE OF P-VAL	1.05	1.35	1.97	2.51	1.95	1.35	1.61	1.14	2.43	2.57	3.84	2.70	1.75	1.47	7.81	3.16	3.34	2.97	1.48	3.32	1.70	2.41
SE OF CHANGE P-VALUE	1.41	2.22	2.42	3.02	3.09	1.91	2.11	1.58	3.44	4.79	5.28	4.77	2.50	1.82	9.10	4.28	4.35	4.29	3.26	4.39	2.80	3.14
1972-73 DELTA-P		-4.98#	2.47	-1.93	5.63#	-5.29#	4.83#	-1.57#	5.56*	9.80#	11.79#	11.14#	1.67	-5.94#	8.38	-2.95	2.67	-0.63	-0.84	-0.86	-0.42	1.00
1969-70 DELTA-P		-1.88	0.49	0.16	1.34	-3.82#	3.72#	0.19	-0.54	-2.77	5.06	-0.46	1.50	-1.54	3.16	-1.57	-1.11	3.71	-1.17	0.54	-4.17*	1.90
CHANGE DELTA-P		-3.10	1.98	-2.09	4.29	-1.47	1.11	-1.76#	6.10	12.57#	6.73	11.60#	0.17	-4.40#	5.22	-1.38	3.78	-4.34	0.33	-1.40	3.75	-0.90
1972-73 SE OF DP		1.56	1.41	1.44	1.96	1.04	0.91	0.52	2.4[illegible]	3.83	3.44	3.69	1.45	1.00	4.54	2.85	2.72	2.82	2.83	2.53	2.41	1.72
1969-70 SE OF DP		1.41	1.91	1.85	1.73	1.04	1.06	0.25	2.3[illegible]	2.61	3.87	2.24	1.42	1.06	7.86	3.09	3.28	3.09	1.63	3.03	1.79	1.79
SE OF CHANGE DELTA-P		2.10	2.37	2.34	2.61	1.47	1.40	0.58	3.[illegible]	4.63	5.18	4.32	2.03	1.46	9.08	4.20	4.26	4.18	3.27	3.95	3.00	2.48

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201081-34

72-73 Report #: UB196
69-70 Report #: U848

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	08-03	02-10
69-70 Package-Exercise:	09-14	
72-73 National P-val: UB196	12.29	15.76
69-70 National P-value: UB196	11.96	
Timing: (in seconds)		
Stimulus:	18	19
Response:	19	*
I don't know:	5	*
Pause:	5	*
UB196 Exercise total:	46	*

*Time not limited by paced tape.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

EXERCISE: 201081-34 UB196

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.29	0.40	0.00	0.47	0.22	0.39	0.20	0.35	0.00	0.00	0.00	0.69	0.00	0.23	1.74	0.00	0.83	0.40	0.00	0.51	0.00	0.31
1969-70 P-VALUE	0.20	0.00	0.22	0.15	0.43	0.32	0.09	0.15	0.08	2.02	0.90	0.28	0.34	0.02	0.00	0.00	0.11	0.50	0.26	0.00	0.21	0.22
CHANGE P-VALUE	0.09	0.40	-0.22	0.32	-0.21	0.07	0.11	0.20	-0.08	-2.02	-0.90	0.41	-0.34	0.21	1.74	0.00	0.72	-0.10	-0.26	0.51	-0.21	0.09
1972-73 SE OF P-VAL	0.13	0.29	0.00	0.34	0.22	0.23	0.14	0.16	0.00	0.00	0.00	0.70	0.00	0.16	1.23	0.00	0.82	0.41	0.00	0.50	0.00	0.22
1969-70 SE OF P-VAL	0.10	0.00	0.22	0.15	0.30	0.19	0.07	0.08	0.08	2.05	0.86	0.28	0.25	0.02	0.00	0.00	0.11	0.47	0.26	0.00	0.22	0.21
SE OF CHANGE P-VALUE	0.16	0.29	0.22	0.37	0.37	0.30	0.16	0.18	0.08	2.05	0.86	0.75	0.25	0.16	1.23	0.00	0.83	0.62	0.26	0.50	0.22	0.30
1972-73 DELTA-P		0.11	-0.29*	0.18	-0.07	0.10	-0.09	0.06*	-0.29*	-0.29*	-0.29*	0.40	-0.29*	-0.06	1.45	-0.29*	0.54	0.11	-0.29*	0.22	-0.29*	0.02
1969-70 DELTA-P		-0.20*	0.02	-0.05	0.23	0.12	-0.11	-0.05	-0.12	1.82	0.70	0.08	0.14	-0.18	-0.20*	-0.20*	-0.09	0.30	0.06	-0.20*	0.01	0.02
CHANGE DELTA-P		0.31	-0.31	0.23	-0.30	-0.02	0.02	0.11	-0.17	-2.11	-0.99	0.32	-0.43	0.12	1.65	-0.09	0.63	-0.19	-0.35	0.42	-0.30	0.00
1972-73 SE OF DP		0.25	0.13	0.26	0.21	0.14	0.13	0.03	0.13	0.13	0.13	0.63	0.13	0.14	1.16	0.13	0.75	0.37	0.13	0.47	0.13	0.18
1969-70 SE OF DP		0.10	0.21	0.13	0.23	0.11	0.10	0.07	0.12	1.98	0.82	0.26	0.19	0.10	0.10	0.10	0.14	0.43	0.24	0.10	0.20	0.16
SE OF CHANGE DELTA-P		0.27	0.25	0.29	0.31	0.18	0.16	0.08	0.18	1.98	0.83	0.68	0.23	0.17	1.16	0.16	0.76	0.57	0.27	0.48	0.24	0.24
AGE: A4																						
1972-73 P-VALUE	0.66	0.32	2.38	0.14	0.15	0.72	0.61	0.64	1.16	0.00	0.65	0.49	0.97	0.32	1.18	1.49	1.34	0.00	0.92	1.87	0.47	0.20
1972-73 SE OF P-VAL	0.26	0.33	1.10	0.14	0.15	0.48	0.20	0.33	0.85	0.00	0.39	0.49	0.71	0.32	1.22	0.95	1.03	0.00	0.93	1.05	0.48	0.21
1972-73 DELTA-P		-0.34	1.72	-0.52	-0.51	0.06	-0.05	-0.02	0.50	-0.66#	-0.01	-0.17	0.31	-0.34	0.52	0.83	0.68	-0.66#	0.26	1.21	-0.19	-0.46*
1972-73 SE OF DP		0.35	0.86	0.28	0.28	0.30	0.28	0.12	0.90	0.26	0.47	0.40	0.54	0.35	1.10	0.83	1.07	0.26	0.89	1.69	0.50	0.22
RESPONSE: 03* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	12.29	13.08	10.22	11.32	14.42	12.93	11.70	12.23	12.04	12.00	7.91	7.80	10.75	15.18	12.39	12.34	9.41	19.09	12.53	13.34	11.54	10.15
1969-70 P-VALUE	11.96	14.12	11.67	11.99	10.11	14.64	9.52	12.32	9.04	10.77	11.59	8.91	10.84	13.72	7.96	14.32	10.13	17.70	12.46	9.12	12.18	10.66
CHANGE P-VALUE	0.33	-1.04	-1.45	-0.67	4.31	-1.71	2.18	-0.09	3.00	1.23	-3.68	-1.11	-0.09	1.46	4.43	-1.98	-0.72	1.39	0.07	4.22	-0.64	-0.51
1972-73 SE OF P-VAL	0.99	1.98	1.48	1.83	2.28	1.34	1.08	1.20	1.95	2.88	1.94	1.52	1.64	1.48	2.49	4.36	1.88	3.25	2.86	2.37	2.79	1.22
1969-70 SE OF P-VAL	0.89	2.08	1.99	1.61	1.50	1.35	1.23	0.98	2.47	4.23	3.54	1.82	1.35	1.40	3.96	2.71	2.57	3.66	1.98	2.18	2.20	1.55
SE OF CHANGE P-VALUE	1.33	2.87	2.48	2.44	2.73	1.90	1.64	1.55	3.15	5.12	4.04	2.37	2.12	2.04	4.68	5.13	3.18	4.89	3.48	3.22	3.55	1.97
1972-73 DELTA-P		0.79	-2.07	-0.97	2.13	0.64	-0.59	-0.06	0.55	-0.29	-4.38*	-4.49#	-1.54	2.89#	0.10	0.05	-2.88	6.80*	0.24	1.05	-0.75	-2.14
1969-70 DELTA-P		2.16	-0.29	0.03	-1.85	2.69#	-2.44#	0.36	-2.12	-1.19	-0.37	-3.05	-1.12	1.76	-4.00	2.36	-1.83	5.74	0.50	-2.84	0.22	-1.30
CHANGE DELTA-P		-1.37	-1.78	-1.00	3.98	-2.04	1.85	-0.42	2.67	0.90	-4.01	-1.44	-0.42	1.13	4.10	-2.31	-1.05	1.06	-0.26	3.89	-0.97	-0.84
1972-73 SE OF DP		1.70	1.49	1.55	1.89	0.73	0.67	0.34	2.09	3.07	2.18	1.65	1.17	0.89	2.51	4.03	2.01	2.84	2.80	2.38	2.55	1.20
1969-70 SE OF DP		1.71	1.86	1.32	1.37	0.97	0.89	0.35	2.31	4.18	3.58	1.64	1.21	0.88	3.84	2.65	2.51	3.39	1.90	2.15	1.95	1.25
SE OF CHANGE DELTA-P		2.41	2.38	2.04	2.33	1.21	1.11	0.49	3.12	5.19	4.19	2.33	1.68	1.25	4.59	4.82	3.22	4.42	3.38	3.21	3.21	1.73
AGE: A4																						
1972-73 P-VALUE	15.78	17.65	11.90	15.99	16.84	20.01	11.81	17.26	7.42	8.72	10.13	12.40	16.15	24.45	5.34	15.64	11.44	18.17	20.55	17.56	17.18	13.98
1972-73 SE OF P-VAL	0.99	2.36	1.40	2.09	1.75	1.71	1.04	1.11	1.99	2.84	1.51	1.97	1.66	2.11	2.61	3.06	2.98	2.84	4.24	3.54	2.67	1.50
1972-73 DELTA-P		1.89	-3.78#	0.23	1.08	4.25#	-3.95#	1.50#	-8.34#	-7.08#	-5.63#	-3.36	0.39	8.69#	-10.42#	-0.12	-4.32	2.41	4.79	1.80	1.42	-1.78
1972-73 SE OF DP		1.96	1.47	1.69	1.57	1.06	0.98	0.34	1.98	2.77	1.32	1.72	1.58	1.66	2.57	3.07	3.06	2.68	3.90	3.32	2.40	1.18
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	19.76	18.22	18.34	19.25	23.22	20.39	19.18	20.36	14.19	22.82	20.57	14.17	18.70	21.98	18.58	23.00	18.09	21.57	22.64	19.86	23.80	16.17
1969-70 P-VALUE	21.70	23.30	19.90	24.67	17.78	21.68	21.72	23.14	11.96	21.27	16.88	17.54	22.80	22.70	23.04	15.38	19.33	23.80	24.23	16.00	25.10	22.03
CHANGE P-VALUE	-1.94	-5.08	-1.56	-5.42	5.44	-1.29	-2.54	-2.78	2.23	1.55	3.69	-3.37	-4.10	-0.72	-4.46	7.62	-1.24	-2.23	-1.59	3.86	-1.30	-5.86*
1972-73 SE OF P-VAL	1.09	1.08	2.40	2.72	1.98	1.57	1.22	1.29	2.34	5.29	3.48	2.13	1.68	1.63	3.16	7.01	3.80	1.57	3.34	5.06	3.03	1.33
1969-70 SE OF P-VAL	1.30	2.81	2.74	2.60	1.92	1.56	1.96	1.42	2.49	4.25	4.01	2.76	1.95	1.73	8.04	3.53	4.90	3.39	4.32	3.57	2.07	2.12
SE OF CHANGE P-VALUE	1.70	3.01	3.64	3.76	2.76	2.21	2.31	1.92	3.42	6.79	5.31	3.49	2.57	2.38	8.64	7.85	6.20	3.74	5.46	6.19	3.67	2.50
1972-73 DELTA-P		-1.54	-1.42	-0.51	3.46	0.63	-0.58	0.60	-5.57*	3.06	0.81	-5.59#	-1.06	2.22*	-1.18	3.24	-1.67	1.81	2.88	0.18	4.04	-3.59*
1969-70 DELTA-P		1.60	-1.80	2.97	-3.92*	-0.02	0.02	1.44#	-9.74#	-0.43	-4.82	-4.16	1.10	1.00	1.34	-6.32	-2.37	2.10	2.53	-5.70	3.40	0.33
CHANGE DELTA-P		-3.14	0.38	-3.48	7.38#	0.65	-0.60	-0.84	4.17	3.49	5.63	-1.43	-2.16	1.22	-2.52	9.56	0.70	-0.29	0.35	5.88	0.64	-3.92
1972-73 SE OF DP		1.32	2.13	2.09	1.79	0.91	0.84	0.48	2.58	5.11	3.18	2.09	1.34	1.04	3.19	6.36	3.76	1.76	3.42	4.69	2.93	1.48
1969-70 SE OF DP		2.39	2.55	2.03	1.84	1.28	1.16	0.52	2.37	4.11	3.91	2.41	1.45	1.15	7.73	3.54	4.56	3.50	3.79	3.36	2.09	1.76
SE OF CHANGE DELTA-P		2.73	3.32	2.91	2.57	1.57	1.43	0.71	3.50	6.56	5.04	3.19	1.97	1.55	8.36	7.28	5.91	3.92	5.10	5.77	3.60	2.30

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 201081-34 UB196

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective III.

RESPONSE: 09 AGE: A8 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	24.82	24.49	24.80	26.98	22.73	23.30	26.23	24.94	24.44	23.66	24.90	26.99	24.64	23.25	27.12	25.51	24.06	30.67	27.93	21.10	23.39	23.74
1972-73 SE OF P-VAL	1.45	2.57	1.56	2.71	3.79	1.95	1.82	1.57	3.52	5.03	2.36	2.97	2.50	2.89	6.37	3.34	4.19	4.53	4.47	3.04	2.76	2.28
1972-73 DELTA-P		-0.33	-0.02	2.16	-2.09	-1.52	1.41	0.12	-0.38	-1.16	0.08	2.17	-0.18	-1.57	2.30	0.69	-4.76	5.05	3.11	-3.72	-1.43	-1.08
1972-73 SE OF DP		2.35	1.88	2.26	3.00	1.25	1.15	0.47	3.33	4.06	1.92	2.82	1.98	2.35	6.20	3.33	3.95	3.94	4.16	2.75	2.80	1.70

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201084-1

72-73 Report #: UB197
69-70 Report #: U667

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	04-34
69-70 Package-Exercise:	02-13
72-73 National P-val:	
UB197	61.30
69-70 National P-value:	
UB197	63.41

Timing: (in seconds)
Stimulus: 24
Response: 25
I don't know: 5
Pause: 6
UB197 Exercise total: 60

EXERCISE: 201084-1 UB197

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIA.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.35	0.45	0.48	0.45	0.00	0.51	0.20	0.24	1.13	0.00	1.01	0.00	0.05	0.20	0.60	0.24	1.28	0.24	0.49	0.59	0.00	0.24
1969-70 P-VALUE	0.07	0.00	0.16	0.00	0.16	0.07	0.07	0.04	0.00	0.52	0.65	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.35	0.00
CHANGE P-VALUE	0.28*	0.45	0.32	0.45	-0.16	0.44*	0.13	0.20	1.13#	-0.52	0.36	0.00	-0.09	0.20	0.60*	0.24	1.28	0.24	0.49	0.33	-0.35	0.24
1972-73 SE OF P-VAL	0.11	0.30	0.22	0.25	0.00	0.19	0.12	0.11	0.35	0.00	1.01	0.00	0.06	0.15	0.24	0.24	0.84	0.24	0.38	0.43	0.00	0.18
1969-70 SE OF P-VAL	0.05	0.00	0.16	0.00	0.16	0.06	0.07	0.04	0.00	0.52	0.65	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.33	0.00
SE OF CHANGE P-VALUE	0.12	0.30	0.27	0.25	0.16	0.20	0.14	0.12	0.35	0.52	1.20	0.00	0.15	0.15	0.24	0.24	0.84	0.24	0.38	0.50	0.33	0.18
1972-73 DELTA-P		0.10	0.13	0.10	-0.35#	0.16	-0.15	-0.11	0.78#	-0.35#	0.66	-0.35#	-0.30*	-0.15	0.25	-0.11	0.93	-0.11	0.14	0.24	-0.35#	-0.11
1969-70 DELTA-P		-0.07	0.09	-0.07	0.09	0.00	0.00	-0.03	-0.07	0.45	0.58	-0.07	0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	0.19	0.28	-0.07
CHANGE DELTA-P		0.17	0.04	0.17	-0.44#	0.16	-0.15	-0.08	0.85#	-0.80	0.08	-0.28*	-0.37*	-0.08	0.32*	-0.04	1.00	-0.04	0.21	0.05	-0.63	-0.04
1972-73 SE OF DP		0.25	0.20	0.20	0.11	0.11	0.11	0.06	0.30	0.11	1.00	0.11	0.14	0.12	0.14	0.25	0.81	0.23	0.35	0.38	0.11	0.15
1969-70 SE OF DP		0.05	0.13	0.05	0.13	0.04	0.05	0.04	0.05	0.49	0.62	0.05	0.11	0.05	0.05	0.05	0.05	0.05	0.05	0.22	0.30	0.05
SE OF CHANGE DELTA-P		0.25	0.24	0.21	0.17	0.12	0.12	0.07	0.30	0.50	1.18	0.12	0.18	0.13	0.15	0.25	0.81	0.24	0.35	0.44	0.32	0.16
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	61.30	60.56	56.48	67.09	59.70	59.91	62.62	68.44	33.86	32.62	46.59	60.68	63.04	70.20	54.94	59.54	33.28	66.91	51.23	69.42	63.01	64.68
1969-70 P-VALUE	63.41	74.27	56.49	67.84	50.85	66.98	59.27	70.01	34.21	34.25	58.96	51.23	64.68	74.26	55.25	52.25	30.47	74.15	50.43	61.48	67.65	70.40
CHANGE P-VALUE	-2.11	-13.71#	-0.01	-0.75	8.85*	-7.07#	3.35	-1.57	-0.35	-1.63	-12.37	9.45	-1.64	-4.06	-0.31	7.29	2.81	-7.24	0.80	7.94	-4.64	-5.72
1972-73 SE OF P-VAL	1.60	2.71	2.51	3.95	2.22	1.63	2.05	1.57	2.78	4.41	4.28	6.28	2.54	1.95	2.30	5.66	5.40	3.42	5.71	3.76	3.85	2.62
1969-70 SE OF P-VAL	1.52	2.16	4.20	2.40	2.84	1.72	2.12	1.38	3.61	4.82	4.63	4.97	2.31	1.90	2.32	8.06	3.79	3.02	3.82	4.26	4.57	2.45
SE OF CHANGE P-VALUE	2.21	3.47	4.89	4.62	3.60	2.37	2.95	2.09	4.56	6.53	6.25	8.01	3.43	2.72	3.27	9.85	6.60	4.56	6.87	5.68	5.98	3.59
1972-73 DELTA-P		-0.74	-4.82	5.79	-1.60	-1.39	1.32	7.14#	-27.44#	-28.68#	-14.71#	-0.62	1.74	8.90#	-6.36#	-1.76	-28.02#	5.61	-10.07	8.12*	1.71	3.38
1969-70 DELTA-P		10.86#	-6.92	4.43*	-12.56#	3.57#	-4.14#	6.60#	-29.20#	-29.16#	-4.45	-12.18#	1.27	10.85#	-8.16#	-11.16	-32.94#	10.74#	-12.98#	-1.93	4.24	6.99#
CHANGE DELTA-P		-11.60#	2.10	1.36	10.96#	-4.96#	5.46#	0.54	1.76	0.48	-10.26	11.56	0.47	-1.95	1.80	9.40	4.92	-5.13	2.91	10.05	-2.53	-3.61
1972-73 SE OF DP		2.53	2.44	2.90	2.28	0.97	0.93	0.98	2.69	4.45	3.69	6.02	2.02	1.63	1.50	5.42	5.29	3.41	5.56	3.69	3.64	2.25
1969-70 SE OF DP		2.13	3.55	1.98	2.59	1.08	1.29	1.04	3.40	4.70	4.21	4.67	1.94	1.69	1.60	7.93	4.07	2.99	3.59	4.08	4.37	2.17
SE OF CHANGE DELTA-P		3.31	4.31	3.51	3.45	1.45	1.59	1.43	4.34	6.47	5.60	7.62	2.80	2.35	2.19	9.61	6.67	4.54	6.62	5.50	5.69	3.13
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.01	4.71	4.63	2.31	4.80	4.02	4.00	3.30	7.33	5.44	5.47	2.96	1.79	2.32	6.57	5.78	5.34	2.24	3.64	3.64	2.31	4.83
1969-70 P-VALUE	2.46	1.80	2.34	1.03	5.37	2.19	2.78	2.08	2.25	7.52	1.96	1.21	0.94	2.32	3.96	2.59	4.54	1.71	3.53	2.46	2.17	2.11
CHANGE P-VALUE	1.55#	2.91*	2.29	1.28	-0.57	1.83*	1.22	1.22	5.08#	-2.08	3.51	1.75	0.85	0.00	2.61*	3.19	0.80	0.53	0.11	1.18	0.34	2.72#
1972-73 SE OF P-VAL	0.46	1.18	1.10	0.56	0.76	0.63	0.52	0.49	1.32	1.82	2.09	1.56	0.66	0.56	0.76	2.49	1.36	1.02	1.87	1.00	0.70	0.78
1969-70 SE OF P-VAL	0.39	0.62	0.75	0.49	1.17	0.44	0.59	0.42	0.94	2.02	1.14	0.59	0.38	0.68	0.77	1.18	2.52	0.82	1.37	1.11	0.95	0.64
SE OF CHANGE P-VALUE	0.60	1.33	1.33	0.74	1.40	0.77	0.79	0.65	1.62	2.72	2.38	1.67	0.76	0.88	1.08	2.76	2.86	1.31	2.32	1.49	1.31	1.01
1972-73 DELTA-P		0.70	0.62	-1.70#	0.79	0.01	-0.01	-0.71#	3.32#	1.43	1.46	-1.05	-2.22#	-1.69#	2.56#	1.77	1.33	-1.77	-0.37	-0.37	-1.50	0.82
1969-70 DELTA-P		-0.66	-0.12	-1.43#	2.91#	-0.27	0.32	-0.38	-0.21	5.06#	-0.50	-1.25	-1.52#	-0.14	1.50#	0.13	2.08	-0.75	1.07	0.00	-0.29	-0.35
CHANGE DELTA-P		1.36	0.74	-0.27	-2.12	0.28	-0.33	-0.33	3.53*	-3.63	1.96	0.20	-0.70	-1.55*	1.06	1.64	-0.75	-1.02	-1.44	-0.37	-1.21	1.17
1972-73 SE OF DP		0.97	0.92	0.58	0.72	0.36	0.34	0.25	1.20	1.69	1.88	1.42	0.63	0.48	0.51	2.28	1.42	1.00	1.68	1.02	0.91	0.62
1969-70 SE OF DP		0.58	0.70	0.47	0.95	0.31	0.36	0.23	0.92	1.88	1.07	0.69	0.38	0.55	0.57	1.19	2.41	0.85	1.25	1.08	0.92	0.49
SE OF CHANGE DELTA-P		1.13	1.16	0.75	1.19	0.48	0.50	0.34	1.51	2.53	2.16	1.58	0.74	0.73	0.76	2.57	2.80	1.31	2.09	1.49	1.29	0.79

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* The absolute value of this number is greater than 2.0 times its standard error.

# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201109-2

72-73 Report #: UB198
69-70 Report #: U702

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: A. Understand and apply facts and simple concepts.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	07-26
69-70 Package-Exercise:	03-11
72-73 National P-val:	
UB198	92.24
69-70 National P-value:	
UB198	94.69

Timing: (in seconds)

	Stimulus:	12
	Response:	9
	I don't know:	5
	Pause:	7
UB198	Exercise total:	33

EXERCISE: 201109-2 UB198

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIA.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.21	0.48	0.64	2.55	5.10	2.59	1.84	2.33	1.82	1.53	4.29	2.37	2.14	1.85	2.37	7.42	0.14	0.00	4.51	5.11	0.37	0.53
1969-70 P-VALUE	0.02	-0.01	-0.01	0.08	-0.01	0.05	-0.01	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.25	-0.01	-0.01	-0.01	0.21	-0.01	-0.01	-0.01
CHANGE P-VALUE	2.19*	0.49	0.65	2.47	5.11	2.54*	1.85	2.30*	1.83	1.54	4.30*	2.38	2.15	1.86	2.12	7.43	0.15	0.01	4.30	5.12	0.38	0.54
1972-73 SE OF P-VAL	1.03	0.40	0.54	2.32	3.28	1.17	0.94	1.10	1.73	1.36	2.15	1.39	1.13	1.11	1.05	5.54	0.14	0.00	4.41	4.19	0.38	0.36
1969-70 SE OF P-VAL	0.02	0.00	0.00	0.09	0.00	0.06	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.22	0.00	0.00	0.00
SE OF CHANGE P-VALUE	1.03	0.40	0.54	2.32	3.28	1.17	0.94	1.10	1.73	1.36	2.15	1.39	1.13	1.11	1.08	5.54	0.14	0.00	4.42	4.19	0.38	0.36
1972-73 DELTA-P		-1.73	-1.57	0.38	2.89	0.38	-0.37	0.12	-0.39	-0.68	2.08	0.16	-0.07	-0.36	0.16	5.21	-2.07	-2.21*	2.30	2.90	-1.84	-1.68
1969-70 DELTA-P		-0.03	-0.03	0.06	-0.03	0.03	-0.03	0.01	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	0.23	-0.03	-0.03	-0.03	0.19	-0.03	-0.03	-0.03
CHANGE DELTA-P		-1.70	-1.54	0.28	2.92	0.35	-0.34	0.11	-0.36	-0.65	2.11	0.19	-0.04	-0.33	-0.07	5.24	-2.04	-2.18*	2.11	2.93	-1.81	-1.65
1972-73 SE OF DP		1.09	1.10	1.87	2.57	0.24	0.24	0.25	1.47	1.13	1.25	0.87	0.51	0.43	0.90	4.92	1.04	1.03	3.97	3.67	1.07	1.06
1969-70 SE OF DP		0.03	0.03	0.06	0.03	0.03	0.03	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.23	0.03	0.03	0.03	0.19	0.03	0.03	0.03
SE OF CHANGE DELTA-P		1.09	1.10	1.87	2.57	0.24	0.24	0.25	1.47	1.13	1.25	0.87	0.51	0.43	0.93	4.92	1.04	1.03	3.97	3.67	1.07	1.06

RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	92.24	93.16	91.68	92.70	91.27	92.75	91.74	93.35	87.33	88.83	88.89	90.06	93.94	92.96	89.24	88.15	88.02	96.56	89.06	89.75	94.79	93.95
1969-70 P-VALUE	94.69	95.48	92.17	94.27	96.66	95.85	93.65	96.39	85.54	90.43	90.35	90.81	94.81	95.94	93.76	92.10	89.56	95.58	92.97	94.77	94.66	96.43
CHANGE P-VALUE	-2.45	-2.32	-0.49	-1.57	-5.39	-3.10	-1.91	-3.04*	1.79	-1.60	-1.46	-0.75	-0.87	-2.98	-4.52	-3.95	-1.54	0.98	-3.91	-5.02	0.13	-2.48
1972-73 SE OF P-VAL	1.20	1.17	1.66	2.56	3.52	1.32	1.27	1.27	2.21	2.46	2.72	2.49	1.24	1.45	1.75	5.55	2.38	1.34	4.44	4.41	1.22	1.33
1969-70 SE OF P-VAL	0.54	1.02	1.31	1.25	0.74	0.83	0.72	0.56	1.82	2.91	2.74	2.82	0.94	0.71	1.43	1.88	2.08	1.47	1.77	1.74	1.12	1.08
SE OF CHANGE P-VALUE	1.32	1.55	2.11	2.85	3.60	1.56	1.46	1.39	2.86	3.81	3.86	3.76	1.56	1.61	2.26	5.86	3.16	1.99	4.78	4.74	1.66	1.71
1972-73 DELTA-P		0.92	-0.56	0.46	-0.97	0.51	-0.50	1.11#	-4.31#	-3.41	-3.35	-2.18	1.70*	0.72	-3.00*	-4.09	-4.22	4.32#	-3.18	-2.49	2.55	1.71
1969-70 DELTA-P		0.79	-2.52*	-0.42	1.97#	1.16*	-1.04	1.70#	-9.15#	-4.26	-4.34	-3.88	0.12	1.25*	-0.93	-2.59	-5.13*	0.89	-1.72	0.08	-0.03	1.74
CHANGE DELTA-P		0.13	1.96	0.88	-2.94	-0.65	0.54	-0.59	4.24	0.85	0.99	1.70	1.58	-0.53	-2.07	-1.50	0.91	3.43	-1.46	-2.57	2.58	-0.03
1972-73 SE OF DP		1.46	1.72	2.11	2.80	0.47	0.46	0.37	1.89	2.15	2.18	1.98	0.76	0.75	1.33	4.92	2.26	1.65	4.07	3.87	1.63	1.45
1969-70 SE OF DP		0.90	1.17	0.96	0.78	0.57	0.54	0.38	1.65	2.79	2.80	2.56	0.80	0.57	1.41	1.86	2.07	1.33	1.66	1.58	1.10	0.87
SE OF CHANGE DELTA-P		1.72	2.08	2.32	2.91	0.74	0.71	0.53	2.51	3.52	3.55	3.24	1.10	0.94	1.94	5.26	3.06	2.12	4.40	4.18	1.97	1.69

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.05	1.50	1.21	0.93	0.57	0.53	1.56	0.73	2.31	2.38	1.82	0.81	0.86	0.94	1.57	0.54	1.00	1.33	2.10	0.17	1.45	0.99
1969-70 P-VALUE	0.58	0.55	0.93	0.20	0.81	0.60	0.57	0.45	1.60	0.24	1.23	0.29	0.43	0.70	0.53	1.76	1.24	0.74	0.44	-0.01	1.06	0.20
CHANGE P-VALUE	0.47	0.95	0.28	0.73	-0.24	-0.07	0.99*	0.28	0.71	2.14	0.59	0.52	0.43	0.24	1.04	-1.22	-0.24	0.59	1.66	0.18	0.39	0.79
1972-73 SE OF P-VAL	0.24	0.62	0.29	0.57	0.31	0.25	0.35	0.26	0.74	1.12	0.99	0.42	0.48	0.38	0.59	0.38	0.47	0.94	1.27	0.17	0.70	0.42
1969-70 SE OF P-VAL	0.17	0.40	0.38	0.15	0.44	0.30	0.19	0.18	0.62	0.25	0.95	0.30	0.22	0.32	0.22	0.96	0.65	0.70	0.29	0.00	0.62	0.15
SE OF CHANGE P-VALUE	0.29	0.74	0.48	0.59	0.54	0.39	0.40	0.32	0.97	1.15	1.37	0.52	0.53	0.50	0.63	1.03	0.80	1.17	1.30	0.17	0.94	0.45
1972-73 DELTA-P		0.45	0.16	-0.12	-0.48	-0.52#	0.51#	-0.32*	1.26	1.33	0.77	-0.24	-0.19	-0.11	0.52	-0.51	-0.05	0.28	1.05	-0.88#	0.40	-0.06
1969-70 DELTA-P		-0.03	0.35	-0.38*	0.23	0.02	-0.01	-0.13	1.02	-0.34	0.65	-0.29	-0.15	0.12	-0.05	1.18	0.66	0.16	-0.14	-0.59#	0.48	-0.38*
CHANGE DELTA-P		0.48	-0.19	0.26	-0.71	-0.54*	0.52*	-0.19	0.24	1.67	0.12	0.05	-0.04	-0.23	0.57	-1.69	-0.71	0.12	1.19	-0.29	-0.08	0.32
1972-73 SE OF DP		0.50	0.32	0.46	0.33	0.19	0.19	0.14	0.67	1.08	0.97	0.46	0.40	0.31	0.46	0.42	0.42	0.85	1.13	0.28	0.66	0.40
1969-70 SE OF DP		0.32	0.34	0.19	0.36	0.19	0.17	0.08	0.57	0.28	0.91	0.31	0.22	0.19	0.26	0.91	0.64	0.62	0.29	0.17	0.55	0.19
SE OF CHANGE DELTA-P		0.59	0.47	0.50	0.49	0.27	0.25	0.16	0.88	1.12	1.33	0.55	0.46	0.36	0.53	1.00	0.77	1.05	1.17	0.33	0.86	0.44

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 201114-2

72-73 Report #: UP199

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 13
72-73 Package-Exercise: 01-28

72-73 National P-val:
UP199 10.74

Timing: (in seconds)
Stimulus: 31
Response: 29
I don't know: 5
Pause: 6
UP199 Exercise total: 71

EXERCISE: 201114-2 UP199

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective III.

	NATION	REGION NORTH EAST	 SOUTH EAST	 CENTRAL	 WEST	SEX MALE	 FEMALE	RACE WHITE	 BLACK	 OTHER RACE	PARENTAL EDUCATION NO HS	 SOME HS	 GRAD HS	 POST HS	 UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	 LOW METRO	 HIGH METRO	 MAIN BIG CITY	 URBAN FRINGE	 MEDIUM CITY	 SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.00	0.50	0.04	1.63	1.55	0.88	1.12	0.73	2.96	0.40	0.00	0.57	0.32	1.46	1.77	0.00	8.01	4.49	0.06	0.00	0.00	0.08
1972-73 SE OF P-VAL	0.62	0.30	0.04	1.64	1.53	0.50	0.79	0.63	2.68	0.41	0.00	0.56	0.31	1.12	1.03	0.00	6.06	3.89	0.06	0.00	0.00	0.08
1972-73 DELTA-P		-0.50	-0.96	0.63	0.55	-0.12	0.12	-0.27	1.96	-0.60	-1.00	-0.43	-0.68	0.46	0.77	-1.00	7.01	3.49	-0.94	-1.00	-1.00	-0.92
1972-73 SE OF DP		0.56	0.62	1.19	1.28	0.20	0.21	0.38	2.36	0.72	0.62	0.55	0.51	0.61	0.62	0.62	5.70	3.42	0.62	0.62	0.62	0.62
RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	10.74	13.99	6.27	13.91	7.10	12.03	9.40	12.41	4.56	3.49	7.21	5.62	8.16	15.85	6.40	9.21	6.94	21.66	9.51	7.85	9.33	10.08
1972-73 SE OF P-VAL	1.08	2.01	1.14	2.69	1.26	1.24	1.20	1.24	1.05	1.28	3.26	1.97	1.20	1.85	1.27	3.36	1.67	2.92	3.01	2.21	2.17	1.62
1972-73 DELTA-P		3.25	-4.47#	3.17	-3.64#	1.29*	-1.34*	1.67#	-6.18#	-7.25#	-3.53	-5.12#	-2.58*	5.11#	-4.34#	-1.53	-3.80	10.92#	-1.23	-2.89	-1.41	-0.66
1972-73 SE OF DP		1.75	1.37	1.95	1.43	0.55	0.57	0.29	1.36	1.52	3.08	1.97	1.18	1.02	1.52	3.17	1.98	2.64	2.63	1.80	2.20	1.49
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.52	1.37	1.73	1.05	2.11	0.98	2.08	1.41	1.44	2.06	2.63	2.80	1.80	0.80	1.71	3.38	0.88	0.70	0.42	2.82	1.59	1.23
1972-73 SE OF P-VAL	0.30	0.60	0.38	0.48	0.83	0.25	0.49	0.32	0.57	1.61	1.15	1.44	0.63	0.28	0.63	1.49	0.63	0.49	0.30	1.13	0.81	0.39
1972-73 DELTA-P		-0.15	0.21	-0.47	0.59	-0.54*	0.56*	-0.11	-0.08	1.44	1.11	1.28	0.28	-0.72*	0.19	1.86	-0.64	-0.82	-1.10#	1.30	0.07	-0.29
1972-73 SE OF DP		0.52	0.42	0.42	0.67	0.24	0.25	0.16	0.59	1.49	1.06	1.34	0.48	0.31	0.57	1.36	0.69	0.52	0.38	0.99	0.73	0.39

* The absolute value of this number is greater than 2.0 times its standard error.
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NAEP #: 201115-1

72-73 Report #: UP200

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: A. Understand and apply facts and simple concepts.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	01-27

72-73 National P-val:

UP200	82.00

Timing: (in seconds)

	Stimulus:	16
	Response:	11
	I don't know:	5
	Pause:	6
UP200	Exercise total:	38

EXERCISE: 201115-1 UP200

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIA.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.91	0.35	0.48	0.21	2.58	1.14	0.67	0.46	0.91	5.47	1.09	0.82	0.68	0.66	1.21	0.00	9.33	0.39	0.34	0.00	0.58	0.29
1972-73 SE OF P-VAL	0.53	0.26	0.35	0.22	2.01	0.65	0.43	0.25	0.67	4.06	1.10	0.84	0.36	0.44	0.86	0.00	7.52	0.39	0.36	0.00	0.51	0.22
1972-73 DELTA-P		-0.56	-0.43	-0.70	1.67	0.23	-0.24	-0.45	0.00	4.56	0.18	-0.09	-0.23	-0.25	0.30	-0.91	8.42	-0.52	-0.57	-0.91	-0.33	-0.62
1972-73 SE OF DP		0.56	0.59	0.55	1.50	0.16	0.16	0.31	0.96	4.36	0.62	0.95	0.54	0.25	0.37	0.53	7.02	0.62	0.61	0.53	0.69	0.54

RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	82.00	80.93	82.70	85.40	78.89	79.93	84.09	84.36	75.65	69.20	73.46	76.45	83.80	85.90	79.82	83.30	69.96	82.76	81.40	81.92	83.03	83.35
1972-73 SE OF P-VAL	1.10	2.15	2.20	1.98	2.42	1.41	1.20	1.11	2.38	4.88	4.58	4.73	2.06	1.55	1.67	3.48	6.92	3.04	2.50	3.86	2.65	1.47
1972-73 DELTA-P		-1.07	0.70	3.40	-3.11	-2.07#	2.09#	2.36#	-6.35#	-12.80#	-8.54*	-5.55	1.80	3.90#	-2.18	1.30	-12.04	0.76	-0.60	-0.08	1.03	1.35
1972-73 SE OF DP		1.87	1.97	1.74	2.02	0.71	0.73	0.54	2.15	4.54	4.23	4.65	1.76	1.42	1.11	3.37	6.66	2.79	2.46	3.46	2.51	1.38

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.88	4.79	2.53	3.52	4.54	3.85	3.92	3.52	5.16	5.29	6.43	4.84	1.49	1.64	6.39	4.13	7.31	4.09	4.57	4.41	2.63	3.09
1972-73 SE OF P-VAL	0.52	1.12	0.85	0.81	1.28	0.65	0.62	0.47	1.55	2.11	2.31	2.55	0.5[illegible]	0.54	0.98	1.97	2.65	1.21	1.36	1.32	1.05	0.85
1972-73 DELTA-P		0.91	-1.35	-0.36	0.66	-0.03	0.04	-0.36	1.28	1.41	2.55	0.96	-2.39#	-2.24#	2.51#	0.25	3.43	0.21	0.69	0.53	-1.25	-0.79
1972-73 SE OF DP		0.94	0.82	0.76	1.04	0.36	0.37	0.29	1.33	1.85	2.13	2.39	0.53	0.65	0.62	1.86	2.42	1.14	1.26	1.23	1.03	0.73

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202002-23

72-73 Report #: UP201

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings

Scoring Type: Machine

Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	06-22	02-07
72-73 National P-val:		
UP201	8.80	26.09
Timing: (in seconds)		
Stimulus:	23	22
Response:	37	37
I don't know:	5	5
Pause:	6	6
UP201 Exercise total:	71	70

EXERCISE: 202002-23 UP201

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.77	0.42	1.86	0.30	0.66	1.29	1.29	0.60	1.27	2.13	1.22	1.01	1.13	0.26	1.13	0.29	0.58	0.14	1.02	0.35	0.71	1.33
1972-73 SE OF P-VAL	0.22	0.25	0.78	0.22	0.35	0.43	0.15	0.24	0.51	1.33	0.86	0.55	0.61	0.12	0.54	0.22	0.59	0.14	0.58	0.33	0.64	0.54
1972-73 DELTA-P		-0.35	1.09	-0.47	-0.11	0.52*	-0.48*	-0.17	0.50	1.36	0.45	0.24	0.36	-0.51*	0.36	-0.48	-0.19	-0.63#	0.25	-0.42	-0.06	0.56
1972-73 SE OF DP		0.29	0.61	0.26	0.34	0.23	0.22	0.11	0.50	1.27	0.86	0.50	0.44	0.23	0.50	0.29	0.58	0.25	0.58	0.36	0.59	0.37
AGE: 17																						
1972-73 P-VALUE	0.15	0.21	0.18	0.00	0.23	0.12	0.17	0.08	0.65	0.00	0.52	0.00	0.05	0.22	0.00	0.00	0.15	0.00	0.00	0.34	0.34	0.10
1972-73 SE OF P-VAL	0.07	0.16	0.18	0.00	0.17	0.09	0.10	0.06	0.39	0.00	0.50	0.00	0.05	0.13	0.00	0.00	0.15	0.00	0.00	0.27	0.33	0.09
1972-73 DELTA-P		0.06	0.03	-0.15*	0.08	-0.03	0.02	-0.07	0.50	-0.15*	0.37	-0.15*	-0.10	0.07	-0.15*	-0.15*	0.00	-0.15*	-0.15*	0.19	0.19	-0.05
1972-73 SE OF DP		0.13	[illegible]	0.07	0.14	0.07	0.06	0.05	0.34	0.07	0.47	0.07	0.08	0.08	0.07	0.07	0.14	0.07	0.07	0.24	0.30	0.08
RESPONSE: 08* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	8.80	7.82	8.39	9.65	9.13	11.24	6.54	9.00	7.83	7.89	10.83	7.42	5.56	11.57	7.92	11.40	11.40	9.82	7.88	6.06	4.21	10.14
1972-73 SE OF P-VAL	0.83	1.72	1.61	1.38	1.88	1.14	0.99	0.91	2.40	2.14	4.19	1.83	1.08	1.33	1.46	1.28	3.92	2.67	2.63	1.56	1.15	1.52
1972-73 DELTA-P		-0.98	-0.41	0.45	0.33	2.44#	-2.26#	0.20	-0.97	-0.91	2.00	-1.38	-3.24#	2.77#	-0.88	2.60	2.60	1.02	-0.92	-2.74	-4.59#	1.34
1972-73 SE OF DP		1.48	1.45	1.23	1.57	0.70	0.65	0.33	2.18	2.22	4.17	1.62	0.93	0.78	1.42	1.45	3.66	2.43	2.42	1.56	1.30	1.20
AGE: 17																						
1972-73 P-VALUE	26.09	26.28	20.38	31.40	24.56	34.42	18.96	29.61	11.93	11.18	11.91	15.81	23.67	33.69	21.89	21.35	14.13	33.39	19.03	25.16	25.67	30.15
1972-73 SE OF P-VAL	1.18	2.81	2.24	2.14	1.90	1.74	1.27	1.33	1.94	3.43	2.79	2.50	1.90	1.87	3.99	2.94	3.56	3.59	2.98	3.03	3.45	1.91
1972-73 DELTA-P		0.19	-5.71#	5.31#	-1.53	8.33#	-7.13#	3.52#	-14.16#	-14.91#	-14.18#	-10.28#	-2.42	7.60#	-4.20	-4.74	-11.96#	7.30*	-7.06*	-0.93	-0.42	4.06#
1972-73 SE OF DP		2.21	2.08	1.85	1.83	1.04	1.00	0.68	1.92	3.35	2.84	2.32	1.52	1.43	3.98	3.06	3.35	3.17	3.11	2.83	3.39	1.51
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.35	1.54	2.61	1.94	3.38	1.97	2.70	1.72	5.97	4.42	4.74	2.79	2.53	1.30	3.69	2.54	2.91	3.04	2.54	0.35	3.64	2.10
1972-73 SE OF P-VAL	0.35	0.58	0.57	0.71	0.84	0.37	0.56	0.35	1.74	1.48	1.93	1.30	0.64	0.41	1.02	1.20	1.37	1.00	1.22	0.33	1.33	0.62
1972-73 DELTA-P		-0.81	0.26	-0.41	1.03	-0.38	0.35	-0.63#	3.52*	2.07	2.39	0.44	0.18	-1.05#	1.34	0.19	0.56	0.69	0.19	-2.00#	1.29	-0.25
1972-73 SE OF DP		0.54	0.55	0.58	0.70	0.34	0.32	0.24	1.61	1.41	1.83	1.18	0.54	0.35	0.94	1.15	1.32	0.92	1.19	0.46	1.21	0.54
AGE: 17																						
1972-73 P-VALUE	2.70	2.03	3.63	3.08	2.21	2.51	2.86	2.04	5.21	5.76	4.01	3.48	2.29	2.02	6.47	3.81	1.59	1.86	5.96	2.44	2.64	2.72
1972-73 SE OF P-VAL	0.41	0.77	0.63	0.94	0.78	0.57	0.49	0.43	1.05	1.90	1.62	1.47	0.68	0.55	2.47	1.26	1.00	1.05	2.74	1.07	0.74	0.57
1972-73 DELTA-P		-0.67	0.93	0.38	-0.49	-0.19	0.16	-0.66#	2.51#	3.06	1.31	0.78	-0.41	-0.68	3.77	1.11	-1.11	-0.84	3.26	-0.26	-0.06	0.02
1972-73 SE OF DP		0.65	0.64	0.74	0.70	0.36	0.31	0.21	0.96	1.81	1.57	1.31	0.63	0.46	2.35	1.24	0.93	0.97	2.62	0.92	0.76	0.47

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NAEP #: 202003-12

72-73 Report #: UP202

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Short answer
Scoring Type: Professional
Administration Mode: Individual

Age:	9	13
72-73 Package-Exercise:	08-05	11-11
72-73 National P-val: UP202	29.56	65.83

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 202003-12 UP202

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	3.08	2.90	3.61	2.70	3.17	3.20	2.95	2.27	5.45	7.65	5.21	0.74	4.13	1.66	4.29	6.91	5.96	0.80	2.68	2.09	3.56	2.55
1972-73 SE OF P-VAL	0.47	0.92	0.92	0.80	1.09	0.65	0.53	0.42	1.18	2.96	1.94	0.52	1.12	0.42	1.03	2.09	1.67	0.67	1.40	1.08	0.86	0.70
1972-73 DELTA-P		-0.18	0.53	-0.38	0.09	0.12	-0.13	-0.81#	2.37*	4.57	2.13	-2.34#	1.05	-1.42#	1.21	3.83*	2.88	-2.28#	-0.40	-0.99	0.48	-0.53
1972-73 SE OF DP		0.80	0.82	0.72	0.91	0.36	0.37	0.29	1.03	2.74	1.92	0.69	0.87	0.41	0.83	1.90	1.56	0.73	1.31	0.97	0.85	0.54
AGE: 13																						
1972-73 P-VALUE	0.71	0.44	0.39	0.29	1.79	0.53	0.89	0.38	0.26	5.45	3.39	0.00	0.55	0.15	2.12	2.91	0.81	0.00	0.21	0.56	0.38	0.61
1972-73 SE OF P-VAL	0.35	0.32	0.28	0.29	1.31	0.27	0.49	0.17	0.25	4.19	2.83	0.00	0.33	0.15	1.23	2.51	0.78	0.00	0.21	0.56	0.38	0.32
1972-73 DELTA-P		-0.27	-0.32	-0.42	1.08	-0.18	0.18	-0.33	-0.45	4.74	2.68	-0.71*	-0.16	-0.56	1.41	2.20	0.10	-0.71*	-0.50	-0.15	-0.33	-0.10
1972-73 SE OF DP		0.41	0.40	0.39	1.00	0.20	0.20	[illegible]	0.40	3.88	2.52	0.35	0.39	0.35	0.96	2.20	0.80	0.35	0.39	0.59	0.47	0.28
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	29.56	30.84	26.11	29.22	31.95	31.75	27.25	32.68	16.53	20.56	26.66	25.90	29.35	35.12	22.46	25.75	17.82	36.59	21.77	32.40	34.18	30.17
1972-73 SE OF P-VAL	1.29	3.47	2.34	2.16	2.05	1.53	1.65	1.47	2.37	3.49	5.11	4.11	2.82	1.92	1.95	4.30	2.37	4.60	2.06	3.51	3.37	2.46
1972-73 DELTA-P		1.28	-3.45	-0.34	2.39	2.22*	-2.31*	3.12#	-13.03#	-9.00#	-2.90	-3.66	-0.21	5.56#	-7.10#	-3.81	-11.74#	7.03	-7.79#	2.84	4.62	0.61
1972-73 SE OF DP		2.75	2.14	1.95	1.95	1.10	1.11	0.48	2.46	3.35	5.13	3.90	2.03	1.21	1.82	4.44	2.47	4.08	2.36	3.21	2.93	1.93
AGE: 13																						
1972-73 P-VALUE	65.83	68.77	56.09	71.37	65.09	67.48	64.16	71.73	41.77	43.80	42.99	52.80	67.38	75.07	51.71	59.39	40.74	77.24	64.94	75.55	65.09	65.38
1972-73 SE OF P-VAL	1.48	2.31	3.08	3.51	2.34	1.86	1.81	1.54	3.86	4.75	4.72	3.32	2.24	2.00	4.20	5.28	7.14	2.50	4.19	2.93	4.79	2.30
1972-73 DELTA-P		2.94	-9.74#	5.54*	-0.74	1.65	-1.67	5.90#	-24.06#	-22.03#	-22.84#	-13.03#	1.55	9.24#	-14.12#	-6.44	-25.09#	11.41#	-0.89	9.72#	-0.74	-0.45
1972-73 SE OF DP		2.21	2.72	2.71	2.25	1.07	1.09	1.03	3.35	4.45	4.80	3.15	1.83	1.55	3.47	4.84	6.75	2.54	3.93	3.02	4.29	2.05
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	13.64	14.99	15.07	11.28	13.49	12.90	14.41	12.70	15.50	20.88	13.55	13.36	10.86	10.21	21.82	14.66	14.92	16.52	18.19	9.03	12.60	12.82
1972-73 SE OF P-VAL	1.06	2.39	2.38	1.94	1.79	1.27	1.53	1.20	1.85	4.18	3.69	3.48	1.31	1.47	2.15	3.30	2.97	3.15	4.26	2.74	2.37	1.61
1972-73 DELTA-P		1.35	1.43	-2.36	-0.15	-0.74	0.77	-0.94*	1.86	7.24	-0.09	-0.28	-2.78	-3.43#	8.18#	1.02	1.28	2.88	4.55	-4.61	-1.04	-0.82
1972-73 SE OF DP		2.00	2.02	1.70	1.67	0.91	0.94	0.45	1.85	3.99	3.52	3.30	1.40	1.04	1.57	3.06	2.98	2.80	3.94	2.73	2.11	1.30
AGE: 13																						
1972-73 P-VALUE	2.18	1.10	3.42	2.18	2.15	2.06	2.30	2.03	0.93	6.44	7.58	3.13	1.31	1.07	4.88	3.59	3.44	0.19	2.99	1.30	3.11	1.90
1972-73 SE OF P-VAL	0.39	0.38	1.03	0.92	0.63	0.49	0.53	0.44	0.42	1.79	2.52	1.14	0.40	0.42	1.63	2.00	1.10	0.19	1.22	0.70	1.02	0.68
1972-73 DELTA-P		-1.08*	1.24	0.00	-0.03	-0.12	0.12	-0.15	-1.25*	4.26#	5.40*	0.95	-0.87*	-1.11#	2.70	1.41	1.26	-1.99#	0.81	-0.88	0.93	-0.28
1972-73 SE OF DP		0.47	0.88	0.71	0.60	0.33	0.33	0.19	0.51	1.69	2.33	1.12	0.41	0.38	1.44	1.79	1.09	0.43	1.14	0.70	0.95	0.56

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202029-123

72-73 Report #: UP203

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Individual for age 9/Group at other ages

Age:	9	13	17IS
72-73 Package-Exercise:	10-11	04-27	05-10
72-73 National P-val:			
UP203A	23.01	27.24	39.19
UP203B	6.39	15.92	20.42

Timing: (in seconds)

	Stimulus:	*	29	26
	Response:	*	6	6
	I don't know:	*	5	5
	Pause:	*	6	6
UP203A	Part total:	*	46	43
	Stimulus:	*	5	5
	Response:	*	38	42
UP203B	Part total:	*	43	47
UP203	Exercise total:	*	89	90

*Time not limited by paced tape.

EXERCISE: 202029-123 UP203

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

Part A.

RESPONSE: 00 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	0.46	0.71	0.94	0.00	0.20	0.45	0.47	0.39	0.53	1.14	0.00	0.94	0.00	0.32	1.02	0.95	1.00	0.24	0.25	0.40	0.18	0.49
1972-73 SE OF P-VAL	0.16	0.44	0.39	0.00	0.20	0.24	0.20	0.16	0.31	0.88	0.00	0.96	0.00	0.23	0.41	0.58	0.71	0.26	0.25	0.38	0.17	0.31
1972-73 DELTA-P		0.25	0.48	-0.46@	-0.26	-0.01	0.01	-0.07	0.07	0.68	-0.46@	0.48	-0.46@	-0.14	0.56	0.49	0.54	-0.22	-0.21	-0.06	-0.28	0.03
1972-73 SE OF DP		0.35	0.31	0.16	0.21	0.16	[illegible]	0.08	0.30	0.81	0.16	0.93	0.16	0.18	0.31	0.54	0.64	0.26	0.24	0.36	0.22	0.23
AGE: 13																						
1972-73 P-VALUE	1.98	0.30	0.17	0.00	7.35	2.40	1.53	1.31	2.64	6.83	4.06	0.00	1.98	1.29	3.69	0.48	13.99	0.00	0.00	4.77	0.00	0.00
1972-73 SE OF P-VAL	1.32	0.23	0.17	0.00	5.18	1.68	0.94	0.89	2.38	6.66	3.31	0.00	1.38	1.29	2.45	0.33	11.38	0.00	0.00	4.29	0.00	0.00
1972-73 DELTA-P		-1.68	-1.81	-1.98	5.37	0.42	-0.45	-0.67	0.66	4.85	2.08	-1.98	0.00	-0.69	1.71	-1.56	12.01	-1.98	-1.98	2.79	-1.98	-1.98
1972-73 SE OF DP		1.33	1.33	1.32	3.87	0.38	0.40	0.54	1.77	5.77	2.27	1.32	0.31	1.05	1.32	1.35	10.23	1.32	1.32	3.56	1.32	1.32
AGE: 17																						
1972-73 P-VALUE	0.09	0.28	0.07	0.00	0.00	0.16	0.03	0.11	0.00	0.00	0.00	0.00	0.00	0.16	0.21	0.00	0.00	0.00	0.00	0.00	0.11	0.21
1972-73 SE OF P-VAL	0.08	0.28	0.07	0.00	0.00	0.16	0.03	0.09	0.00	0.00	0.00	0.00	0.00	0.16	0.21	0.00	0.00	0.00	0.00	0.00	0.11	0.20
1972-73 DELTA-P		0.19	-0.02	-0.09	-0.09	0.07	-0.06	0.02	-0.09	-0.09	-0.09	-0.09	-0.09	0.07	0.12	-0.09	-0.09	-0.09	-0.09	-0.09	0.02	0.12
1972-73 SE OF DP		0.20	0.09	0.08	0.08	0.09	0.07	0.02	0.08	0.08	0.08	0.08	0.08	0.09	0.21	0.08	0.08	0.08	0.08	0.08	0.12	0.13

RESPONSE: 03* TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	23.01	23.30	22.62	21.98	24.22	22.05	23.89	21.50	31.12	23.12	30.56	18.96	23.75	21.72	23.67	30.36	32.48	22.55	19.13	25.48	20.43	20.20
1972-73 SE OF P-VAL	0.96	2.07	1.64	2.21	1.60	1.36	1.41	1.10	2.44	2.94	5.46	3.76	2.26	1.58	1.85	3.70	3.03	2.43	2.52	1.96	2.60	1.48
1972-73 DELTA-P		0.29	-0.39	-1.03	1.21	-0.96	0.88	-1.51@	8.11@	0.11	7.55	-4.05	0.74	-1.29	0.66	7.35*	9.47@	-0.46	-3.88	2.47	-2.58	-2.81*
1972-73 SE OF DP		1.75	1.50	1.41	1.49	1.04	0.95	0.49	2.23	2.99	5.64	3.78	1.95	1.05	1.67	3.48	2.80	2.24	2.40	1.75	2.37	1.28
AGE: 13																						
1972-73 P-VALUE	27.24	35.26	24.63	28.07	20.47	30.26	24.02	29.88	18.97	15.54	20.02	20.60	28.07	30.72	25.01	23.26	17.60	36.03	25.78	26.17	26.97	30.42
1972-73 SE OF P-VAL	1.32	3.30	2.38	2.00	2.58	1.83	1.63	1.53	2.46	2.28	3.58	2.62	2.16	1.88	2.48	3.15	2.63	6.28	3.95	4.54	3.09	2.27
1972-73 DELTA-P		8.02@	-2.61	0.83	-6.77@	3.02@	-3.22@	2.54@	-8.27@	-11.70@	-7.22*	-6.64@	0.83	3.48@	-2.23	-3.98	-9.64@	8.79	-1.46	-1.07	-0.27	3.18
1972-73 SE OF DP		2.70	2.24	1.89	2.21	1.07	1.18	0.58	2.51	2.33	3.07	2.49	1.68	1.22	2.45	3.01	3.02	5.68	3.61	4.15	3.01	1.99
AGE: 17																						
1972-73 P-VALUE	39.19	46.57	36.49	35.96	37.24	47.96	31.75	42.56	20.52	32.10	25.47	31.87	36.06	44.06	44.23	37.50	33.88	54.07	30.90	36.22	41.48	37.04
1972-73 SE OF P-VAL	1.80	4.85	2.20	2.85	3.45	2.00	2.79	2.06	2.80	5.62	3.80	3.05	2.54	2.19	4.63	2.69	5.84	5.98	6.11	5.15	2.68	2.82
1972-73 DELTA-P		7.38	-2.70	-3.23	-1.95	8.77@	-7.44@	3.37@	-18.67@	-7.09	-13.72@	-7.32*	-3.13	4.87@	5.04	-1.69	-5.31	14.88@	-8.29	-2.97	2.29	-2.15
1972-73 SE OF DP		3.81	2.87	2.57	3.06	1.75	1.61	0.83	3.16	5.33	3.90	2.96	1.72	1.34	3.97	3.09	5.48	5.44	6.20	4.65	2.94	2.31

RESPONSE: 04 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	0.81	0.66	0.80	0.52	1.30	0.49	1.10	0.66	1.01	2.12	1.98	1.15	0.60	0.15	1.67	0.96	3.16	0.59	0.67	0.28	0.66	0.59
1972-73 SE OF P-VAL	0.19	0.28	0.31	0.29	0.57	0.22	0.31	0.19	0.45	1.23	1.56	1.12	0.20	0.15	0.51	0.72	1.30	0.47	0.46	0.27	0.51	0.22
1972-73 DELTA-P		-0.15	-0.01	-0.29	0.49	-0.32	0.29	-0.15	0.20	1.31	1.17	0.34	-0.21	-0.66@	0.86*	0.15	2.35	-0.22	-0.14	-0.53	-0.15	-0.22
1972-73 SE OF DP		0.27	0.29	0.28	0.45	0.20	0.18	0.11	0.43	1.16	1.48	1.08	0.24	0.20	0.40	0.68	1.20	0.44	0.44	0.30	0.47	0.23
AGE: 13																						
1972-73 P-VALUE	3.44	1.98	1.80	5.24	4.29	3.50	3.39	3.42	2.50	4.89	3.14	2.43	2.93	3.26	5.58	2.76	2.09	1.87	5.59	5.98	2.24	2.97
1972-73 SE OF P-VAL	0.74	0.51	0.46	2.33	1.17	1.02	0.65	0.89	0.70	2.27	1.53	1.09	1.21	0.72	1.64	1.06	0.79	1.05	1.96	3.51	0.80	0.76
1972-73 DELTA-P		-1.46	-1.64	1.80	0.85	0.06	-0.06	-0.02	-0.94	1.45	-0.30	-1.01	-0.51	-0.18	2.14	-0.68	-1.35	-1.57	2.15	2.54	-1.20	-0.47
1972-73 SE OF DP		0.82	0.82	1.71	1.10	0.42	0.45	0.31	0.97	2.17	1.64	1.24	0.68	0.53	1.14	1.19	1.04	1.21	1.86	2.91	1.04	0.62
AGE: 17																						
1972-73 P-VALUE	3.40	4.21	2.45	4.24	2.28	2.73	3.97	3.64	1.68	3.71	3.93	1.94	3.20	3.83	2.87	1.20	4.00	3.53	2.64	3.91	3.74	3.60
1972-73 SE OF P-VAL	0.47	1.00	1.04	1.09	0.40	0.52	0.72	0.52	0.67	1.73	1.46	0.79	0.90	0.71	1.37	0.45	1.33	1.38	1.29	1.30	1.22	0.92
1972-73 DELTA-P		0.81	-0.95	0.84	-1.12	-0.67	0.57	0.24	-1.72@	0.31	0.53	-1.46	-0.20	0.43	-0.53	-2.20@	0.60	0.33	-0.76	0.51	0.34	0.20
1972-73 SE OF DP		0.84	0.93	0.85	0.56	0.46	0.39	0.15	0.66	1.67	1.41	0.91	0.69	0.50	1.34	0.63	1.31	1.22	1.26	1.23	1.19	0.69

* The absolute value of this number is greater than 2.0 times its standard error.
@ The absolute value of this number is greater than 2.5 times its standard error.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
EXERCISE: 202029-123 UP203																						
This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.																						
Part B.																						
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.51	1.91	1.06	1.06	2.05	1.11	1.86	1.07	2.75	3.94	3.97	0.85	2.34	0.54	1.96	3.74	1.78	0.19	1.90	0.71	1.81	1.41
1972-73 SE OF P-VAL	0.29	0.65	0.29	0.45	0.84	0.29	0.48	0.26	0.67	2.82	2.56	0.85	0.65	0.31	0.50	1.84	0.62	0.19	0.72	0.56	0.68	0.43
1972-73 DELTA-P		0.40	-0.45	-0.45	0.54	-0.18	0.35	-0.44	1.24	2.43	2.46	-0.66	0.83	-0.97#	0.45	2.23	0.27	-1.32#	0.39	-0.80	0.30	-0.10
1972-73 SE OF DP		0.55	0.36	0.43	0.67	[illegible]	0.27	0.23	0.64	2.64	2.41	0.85	0.54	0.32	0.42	1.66	0.64	0.34	0.71	0.57	0.60	0.32
AGE: 13																						
1972-73 P-VALUE	5.83	3.17	3.69	3.38	12.98	6.92	4.67	4.21	7.54	17.48	9.44	2.58	6.29	3.62	10.20	5.59	20.59	1.94	6.35	7.12	1.20	4.04
1972-73 SE OF P-VAL	1.35	0.60	1.10	1.02	4.94	1.77	1.08	0.96	2.73	5.91	3.98	0.97	1.60	1.37	2.57	1.96	10.77	1.28	2.96	4.47	0.96	0.82
1972-73 DELTA-P		-2.66	-2.14	-2.45	7.15	1.09	-1.16	-1.52*	1.71	11.65*	3.61	-3.25*	0.46	-2.21	4.37#	-0.24	14.76	-3.89*	0.52	1.29	-4.63#	-1.79
1972-73 SE OF DP		1.42	1.59	1.51	3.68	0.58	0.63	0.69	2.21	5.05	3.16	1.60	0.71	1.15	1.68	2.15	9.75	1.78	2.99	3.79	1.58	1.42
AGE: 17																						
1972-73 P-VALUE	4.38	4.89	3.28	5.61	3.00	4.58	4.21	3.74	7.48	6.70	6.78	2.82	5.89	3.12	5.62	2.76	7.47	3.09	7.99	5.58	3.97	3.54
1972-73 SE OF P-VAL	0.51	1.18	1.22	1.08	0.63	0.82	0.72	0.57	1.86	2.85	2.17	1.03	1.11	0.61	1.75	1.11	2.38	1.26	2.51	1.84	1.31	0.83
1972-73 DELTA-P		0.51	-1.10	1.43	-1.38	0.20	-0.17	-0.64	3.10	2.32	2.40	-1.56	1.51	-1.26#	1.24	-1.62	3.09	-1.29	3.61	1.20	-0.41	-0.84
1972-73 SE OF DP		0.96	1.08	0.88	0.70	0.61	0.51	0.33	1.70	2.75	2.06	1.08	0.81	0.49	1.71	1.10	2.24	1.26	2.38	1.67	1.28	0.69
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	6.39	7.02	5.27	7.18	6.06	7.05	5.79	6.82	3.76	7.08	9.81	6.20	6.22	7.66	4.07	10.94	5.75	8.32	4.94	7.39	5.73	4.86
1972-73 SE OF P-VAL	0.53	1.13	0.99	1.15	0.92	0.88	0.80	0.69	1.01	2.59	3.87	2.05	1.47	1.03	0.72	3.40	1.56	1.75	1.46	1.44	1.36	0.69
1972-73 DELTA-P		0.63	-1.12	0.79	-0.33	0.66	-0.60	0.43	-2.63*	0.69	3.42	-0.19	-0.17	1.27	-2.32#	4.55	-0.64	1.93	-1.45	1.00	-0.66	-1.53*
1972-73 SE OF DP		0.96	0.87	0.96	0.85	0.69	0.63	0.31	1.09	2.58	3.78	2.16	1.23	0.85	0.74	3.21	1.45	1.59	1.39	1.40	1.26	0.72
AGE: 13																						
1972-73 P-VALUE	15.92	24.47	12.38	16.00	10.22	17.75	13.96	18.64	6.46	5.10	9.89	6.31	16.66	22.07	8.64	8.75	7.73	22.28	19.53	16.21	16.01	17.94
1972-73 SE OF P-VAL	0.99	2.43	2.02	1.59	1.60	1.41	1.22	1.20	1.78	1.41	2.62	1.76	1.82	1.69	1.59	1.72	1.80	4.34	3.34	3.52	2.91	1.91
1972-73 DELTA-P		8.55#	-3.54	0.08	-5.70#	1.83*	-1.96*	2.72#	-9.46#	-10.82#	-6.03#	-9.61#	0.74	6.15#	-7.28#	-7.17#	-8.19#	6.36	3.61	0.29	0.09	2.02
1972-73 SE OF DP		1.99	1.83	1.45	1.48	0.84	0.92	0.46	1.88	1.86	2.36	1.56	1.50	1.22	1.70	1.75	2.22	4.13	3.19	3.19	2.67	1.57
AGE: 17																						
1972-73 P-VALUE	20.42	26.50	16.34	17.74	20.42	24.91	16.61	23.24	5.97	12.02	10.03	14.44	17.83	26.19	11.98	14.03	15.32	32.31	13.28	20.79	19.83	20.30
1972-73 SE OF P-VAL	1.33	3.07	2.24	2.52	2.40	1.95	1.72	1.48	1.82	2.95	2.24	2.32	1.61	1.87	2.71	3.67	3.92	4.00	2.81	4.32	1.94	1.91
1972-73 DELTA-P		6.08*	-4.08	-2.68	0.00	4.49#	-3.81#	2.82#	-14.45#	-8.40#	-10.39#	-5.98*	-2.59*	5.77#	-8.44#	-6.39	-5.10	11.89#	-7.14*	0.37	-0.59	-0.12
1972-73 SE OF DP		2.49	2.22	.09	2.18	1.29	1.14	0.52	1.98	2.91	2.28	2.48	1.24	0.97	2.64	3.61	3.64	3.66	2.91	3.87	2.17	1.67
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.92	4.38	1.85	4.33	5.15	4.75	5.07	4.3	5.61	10.50	3.95	1.56	4.81	2.50	9.32	7.78	6.50	4.39	3.84	4.74	3.43	4.99
1972-73 SE OF P-VAL	0.60	1.04	1.21	1.08	1.51	0.74	0.77	0.6	1.43	3.22	1.92	1.18	1.03	0.55	1.30	2.40	1.60	1.39	1.20	1.90	2.18	0.94
1972-73 DELTA-P		-0.54	0.93	-0.59	0.23	-0.17	0.15	-0.60	0.69	5.58	-0.97	-3.36#	-0.11	-2.42#	4.40#	2.86	1.66	-0.53	-1.08	-0.18	-1.49	0.07
1972-73 SE OF DP		0.96	1.04	0.97	1.25	0.48	0.44	0.33	1.33	3.00	1.78	1.21	0.93	0.54	0.86	2.22	1.53	1.35	1.20	1.72	2.02	0.80
AGE: 13																						
1972-73 P-VALUE	3.08	2.68	1.96	3.61	1.83	3.62	2.50	3.02	2.88	3.89	4.02	2.12	3.14	2.46	4.48	3.08	3.03	1.64	2.92	4.16	3.76	2.70
1972-73 SE OF P-VAL	0.54	0.68	0.74	1.31	1.13	0.72	0.59	0.57	0.98	2.58	1.33	1.04	0.95	0.50	1.05	2.03	0.95	1.15	1.20	2.21	1.37	0.66
1972-73 DELTA-P		-0.40	-1.12	0.53	0.75	0.54	-0.58	-0.06	-0.20	0.81	0.94	-0.96	0.06	-0.62	1.40	0.00	-0.05	-1.44	-0.16	1.08	0.68	-0.38
1972-73 SE OF DP		0.82	0.78	1.03	0.96	0.37	0.38	0.28	0.90	2.40	1.16	0.97	0.58	0.40	0.92	1.85	1.02	1.17	1.26	1.93	1.28	0.61
AGE: 17																						
1972-73 P-VALUE	1.76	2.70	0.89	1.61	1.38	1.97	1.58	1.99	0.85	0.47	1.88	2.31	1.51	1.75	2.08	1.75	1.42	1.03	0.71	2.22	1.67	2.22
1972-73 SE OF P-VAL	0.37	1.13	0.42	0.49	0.42	0.51	0.39	0.44	0.48	0.26	1.06	1.57	0.43	0.50	1.29	0.67	0.88	0.66	0.53	0.88	0.73	0.77
1972-73 DELTA-P		0.94	-0.87	0.05	-0.38	0.21	-0.18	0.23*	-0.91	-1.29#	0.12	0.55	-0.25	-0.01	0.32	-0.01	-0.34	-0.73	-1.05	0.46	-0.09	0.46
1972-73 SE OF DP		0.85	0.49	0.49	0.48	0.28	0.24	0.10	0.54	0.45	1.04	1.35	0.45	0.28	1.28	0.73	0.82	0.64	0.62	0.86	0.70	0.52

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202031-123

72-73 Report #: UP204

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13	17IS
72-73 Package-Exercise:	05-32	07-32	08-27
72-73 National P-val: UP204	23.05	42.45	50.48

Timing: (in seconds)

	Stimulus:	18	19	16
	Response:	30	31	31
	I don't know:	5	5	5
	Pause:	6	6	6
UP204	Exercise total:	59	61	58

EXERCISE: 202031-123 0P204

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.11	0.34	0.62	0.36	0.00	0.49	0.17	0.36	0.32	0.00	0.22	0.82	0.48	0.32	0.22	0.13	0.00	0.00	0.62	0.34	0.48	0.42
1972-73 SE OF P-VAL	0.11	0.26	0.34	0.18	0.00	0.22	0.12	0.14	0.26	0.00	0.22	0.82	0.35	0.22	0.14	0.12	0.00	0.00	0.44	0.32	0.39	0.26
1972-73 DELTA-P		0.01	0.29	0.03	-0.33#	0.16	-0.16	0.03	-0.01	-0.33#	-0.11	0.49	0.15	-0.01	-0.11	-0.20	-0.33#	-0.33#	0.29	0.01	0.15	0.09
1972-73 SE OF DP		0.22	0.27	0.17	0.11	0.13	0.13	0.05	0.24	0.11	0.23	0.79	0.30	0.19	0.15	0.16	0.11	0.11	0.39	0.30	0.38	0.20
AGE: 13																						
1972-73 P-VALUE	2.38	0.22	0.32	2.79	6.11	2.68	2.09	2.53	1.83	1.61	3.74	1.75	2.34	2.38	2.21	7.11	0.00	0.49	4.52	5.17	1.86	0.24
1972-73 SE OF P-VAL	1.11	0.22	0.23	2.55	3.52	1.25	1.04	1.21	1.73	1.39	2.07	1.23	1.22	1.18	1.13	6.10	0.00	0.50	4.41	4.21	1.88	0.18
1972-73 DELTA-P		-2.16	-2.06	0.41	3.73	0.30	-0.29	0.15	-0.55	-0.77	1.36	-0.63	-0.04	0.00	-0.17	4.73	-2.38*	-1.89	2.14	2.79	-0.52	-2.14
1972-73 SE OF DP		1.12	1.12	2.04	2.77	0.29	0.29	0.27	1.53	1.21	1.14	0.73	0.47	0.41	0.85	5.41	1.11	1.20	3.99	3.71	1.89	1.11
AGE: 17																						
1972-73 P-VALUE	1.49	1.34	0.19	1.37	2.92	1.00	1.94	1.17	1.72	6.20	1.69	0.97	1.35	0.80	7.41	0.00	2.33	0.53	3.68	7.33	0.24	0.29
1972-73 SE OF P-VAL	0.77	0.68	0.14	0.74	2.94	0.68	0.91	0.64	1.24	4.27	1.27	0.76	1.01	0.60	2.84	0.00	1.00	0.43	2.54	6.46	0.25	0.19
1972-73 DELTA-P		-0.15	-1.30	-0.12	1.43	-0.49	0.45	-0.32	0.23	4.71	0.20	-0.52	-0.14	-0.69#	5.92*	-1.49	0.84	-0.96	2.19	5.84	-1.25	-1.20
1972-73 SE OF DP		0.90	0.77	0.91	2.24	0.28	0.26	0.22	1.29	3.58	0.71	0.35	0.42	0.26	2.72	0.77	1.20	0.81	2.44	5.78	0.79	0.77
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	23.05	21.97	21.81	28.29	20.05	29.94	16.18	25.39	15.21	15.05	15.60	16.71	24.43	26.04	21.49	25.39	17.15	21.92	22.99	25.34	26.03	22.64
1972-73 SE OF P-VAL	1.12	2.61	2.06	2.48	1.35	1.94	1.35	1.38	1.81	2.61	3.41	3.43	2.92	2.12	1.75	4.13	2.92	4.27	3.66	2.25	2.24	2.19
1972-73 DELTA-P		-1.08	-1.24	5.24#	-3.00*	6.89#	-6.87#	2.34#	-7.84#	-8.00#	-7.45*	-6.34*	1.38	2.99	-1.56	2.34	-5.90	-1.13	-0.06	2.29	2.98	-0.41
1972-73 SE OF DP		2.17	1.86	2.05	1.40	1.30	1.28	0.55	2.02	2.55	3.29	3.00	2.60	1.61	1.69	4.03	2.96	3.90	3.48	2.17	2.46	1.68
AGE: 13																						
1972-73 P-VALUE	42.45	38.90	41.97	44.75	44.04	52.44	32.63	46.30	25.28	31.09	37.81	34.52	41.15	49.10	33.08	39.52	28.10	52.23	35.96	40.06	43.77	45.81
1972-73 SE OF P-VAL	1.62	2.82	4.05	2.95	3.10	2.05	1.84	1.80	2.15	[illegible]	3.92	4.16	2.05	2.27	2.43	5.76	3.51	3.57	3.28	3.12	3.28	3.01
1972-73 DELTA-P		-3.55	-0.48	2.30	1.59	9.99#	-9.82#	3.85#	-17.17#	-11.36#	-4.64	-7.93*	-1.30	6.65#	-9.37#	-2.93	-14.35#	9.78#	-6.49	-2.39	1.32	3.36
1972-73 SE OF DP		2.51	3.41	2.58	2.74	1.19	1.08	0.62	2.32	3.23	3.58	3.58	1.49	1.39	2.45	5.15	3.43	3.44	3.35	3.13	3.03	2.31
AGE: 17																						
1972-73 P-VALUE	50.48	49.25	48.27	54.23	49.29	58.84	42.77	53.62	31.49	42.85	43.44	40.77	51.27	55.23	39.24	53.25	38.95	54.80	51.25	48.36	52.37	50.65
1972-73 SE OF P-VAL	1.35	2.00	3.17	2.50	3.30	2.01	1.65	1.49	2.64	6.12	4.03	3.24	1.81	1.68	3.82	3.83	3.99	2.83	5.56	5.28	4.07	2.10
1972-73 DELTA-P		-1.23	-2.21	3.75	-1.19	8.36#	-7.71#	3.14#	-18.99#	-7.63	-7.04	-10.31#	0.79	4.75#	-11.24#	2.77	-11.53#	4.32	0.77	-2.12	1.89	0.17
1972-73 SE OF DP		1.95	2.77	2.15	2.72	1.39	1.23	0.61	2.71	6.09	3.57	3.06	1.24	1.11	3.86	3.68	4.11	2.79	5.47	4.86	3.54	1.78
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.82	4.94	5.28	[illegible]	4.53	3.68	5.96	4.61	4.83	7.02	5.73	6.46	3.40	2.43	7.25	4.30	5.91	4.19	6.60	4.03	4.35	4.63
1972-73 SE OF P-VAL	0.43	0.92	0.70	[illegible]	0.93	0.50	0.72	0.52	1.14	2.10	1.81	3.30	0.86	0.62	0.81	0.77	1.44	1.12	1.32	1.32	1.03	0.89
1972-73 DELTA-P		0.12	0.46	-0.26	[illegible]	-1.14*	1.14*	-0.21	0.01	2.20	0.91	1.64	-1.42	-2.39#	2.43#	-0.52	1.09	-0.63	1.78	-0.79	-0.47	-0.19
1972-73 SE OF DP		0.79	0.66	0.81	0.72	0.46	0.46	0.25	1.09	2.07	1.71	3.21	0.76	0.62	0.62	0.88	1.34	1.10	1.27	1.22	0.99	0.67
AGE: 13																						
1972-73 P-VALUE	3.91	4.29	3.77	3.79	3.78	1.81	5.98	3.25	7.28	4.70	5.76	4.67	3.80	2.93	5.67	2.72	6.53	4.28	3.30	2.79	5.50	3.46
1972-73 SE OF P-VAL	0.41	0.84	0.78	0.67	0.98	0.38	0.63	0.44	1.37	1.76	1.45	1.35	0.62	0.59	1.23	1.58	1.88	1.06	1.11	0.73	1.15	0.67
1972-73 DELTA-P		0.38	-0.14	-0.12	-0.13	-2.10#	2.07#	-0.66*	3.37#	0.79	1.85	0.76	-0.11	-0.98*	1.76	-1.19	2.62	0.37	-0.61	-1.12	1.59	-0.45
1972-73 SE OF DP		0.72	0.71	0.61	0.81	0.34	0.33	0.28	1.22	1.74	1.35	1.33	0.47	0.47	1.10	1.43	1.79	1.05	1.07	0.78	1.07	0.56
AGE: 17																						
1972-73 P-VALUE	4.30	4.02	3.27	4.72	5.01	2.48	5.98	4.45	2.29	6.56	5.28	1.76	4.05	4.94	4.44	3.50	5.66	3.84	2.29	5.89	4.18	4.38
1972-73 SE OF P-VAL	0.51	1.09	0.84	0.99	1.09	0.63	0.85	0.59	0.86	2.17	2.20	0.71	0.80	0.73	2.20	1.10	1.26	1.49	1.35	1.56	1.61	1.08
1972-73 DELTA-P		-0.28	-1.03	0.42	0.71	-1.82#	1.68#	0.15	-2.01*	2.26	0.98	-2.54#	-0.25	0.64	0.14	-0.80	1.36	-0.46	-2.01	1.59	-0.12	0.08
1972-73 SE OF DP		0.92	0.81	0.82	0.93	0.58	0.53	0.18	0.90	2.15	2.08	0.81	0.63	0.52	2.02	1.09	1.18	1.40	1.25	1.54	1.58	0.86

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202037-34

72-73 Report #: UP205

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

	17IS	Adult
Age:		
72-73 Package-Exercise:	03-22	07-16
72-73 National P-val: UP205	68.73	76.15
Timing: (in seconds)		
Stimulus:	51	54
Response:	11	*
I don't know:	5	*
Pause:	6	*
UP205 Exercise total:	73	*

*Time not limited by paced tape.

EXERCISE: 202037-34 UP205

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.32	0.35	0.23	0.31	0.38	0.29	0.35	0.30	0.00	1.21	0.00	0.00	0.00	0.35	2.64	0.00	1.54	0.53	0.00	0.26	0.39	0.18
1972-73 SE OF P-VAL	0.13	0.35	0.23	0.17	0.26	0.16	0.18	0.12	0.00	1.00	0.00	0.00	0.00	0.19	1.61	0.00	1.38	0.40	0.00	0.25	0.40	0.16
1972-73 DELTA-P		0.03	-0.09	-0.01	0.06	-0.03	0.03	-0.02	-0.32*	0.89	-0.32*	-0.32*	-0.32*	0.03	2.32	-0.32*	1.22	0.21	-0.32*	-0.06	0.07	0.14
1972-73 SE OF DP		0.27	0.22	0.17	0.23	0.11	0.11	0.06	0.13	0.92	0.13	0.13	0.13	0.14	1.51	0.13	1.30	0.38	0.13	0.25	0.37	0.16
AGE: Ad																						
1972-73 P-VALUE	0.03	0.00	0.00	0.00	0.11	0.00	0.06	0.00	0.27	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.07
1972-73 SE OF P-VAL	0.03	0.00	0.00	0.00	0.11	0.00	0.05	0.00	0.27	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.07
1972-73 DELTA-P		-0.03	-0.03	-0.03	0.08	-0.03	0.03	-0.03	0.24	-0.03	-0.03	-0.03	-0.03	-0.03	1.07	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	0.04
1972-73 SE OF DP		0.03	0.03	0.03	0.08	0.03	0.03	0.03	0.25	0.03	0.03	0.03	0.03	0.03	[illegible]	0.03	0.03	0.03	0.03	0.03	0.03	0.04
RESPONSE: 02* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	68.73	71.11	66.05	69.91	66.77	71.86	65.57	71.34	55.94	58.14	64.29	64.92	[illegible]	74.19	51.21	66.00	54.95	78.34	60.20	71.53	65.71	71.27
1972-73 SE OF P-VAL	1.34	2.25	1.97	3.18	2.60	1.87	1.62	1.34	3.22	5.17	4.52	3.03	2.14	1.99	5.05	2.92	4.28	4.82	3.18	2.08	4.20	1.92
1972-73 DELTA-P		2.38	-2.68	1.18	-1.96	3.13#	-3.16#	2.61#	-12.79#	-10.59*	-4.44	-3.81	-2.22	5.46#	-17.52#	-2.73	-13.78#	9.61*	-8.53#	2.80	-3.02	2.54
1972-73 SE OF DP		2.03	2.01	2.41	2.37	1.14	1.13	0.66	2.82	5.00	4.25	3.22	1.63	1.23	5.13	2.82	4.03	4.31	3.21	2.07	3.92	1.70
AGE: Ad																						
1972-73 P-VALUE	76.15	74.79	68.53	81.43	77.94	77.61	74.79	79.17	58.80	62.76	66.33	73.75	78.94	[illegible]	61.76	74.58	57.48	81.31	82.26	77.99	77.67	76.72
1972-73 SE OF P-VAL	1.19	1.53	3.05	2.57	2.50	1.71	1.46	1.24	3.90	5.31	[illegible]	2.21	2.22	1.59	8.04	3.94	[illegible]	2.95	3.54	3.53	2.89	2.23
1972-73 DELTA-P		-1.36	-7.62#	5.28*	1.79	1.46	-1.36	3.02#	-17.35#	-13.39#	[illegible]	-2.40	2.79	5.65#	-14.39	-1.57	-18.67#	5.16	6.13	1.84	1.52	0.57
1972-73 SE OF DP		1.61	2.65	2.16	2.08	1.08	1.01	0.59	3.68	5.09	[illegible]	2.14	1.76	1.71	7.85	3.54	3.95	3.02	[illegible]	[illegible]	2.89	1.67
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	5.83	5.06	8.37	3.15	8.02	6.76	4.90	4.81	8.62	14.36	8.66	5.70	6.48	3.75	14.67	8.95	6.08	3.60	5.47	4.62	5.97	6.22
1972-73 SE OF P-VAL	0.64	1.12	1.39	0.83	1.85	1.03	0.64	0.53	2.12	4.05	2.90	1.54	1.15	0.57	3.59	3.84	2.40	1.11	2.13	1.22	1.06	0.91
1972-73 DELTA-P		-0.77	2.54*	-2.68#	2.19	0.93	-0.93	-1.02#	2.79	8.53*	2.83	-0.13	0.65	-2.08#	8.84#	3.12	0.25	-2.23*	-0.36	-1.21	0.14	0.39
1972-73 SE OF DP		1.01	1.24	0.81	1.53	0.58	0.59	0.36	1.90	3.71	2.57	1.57	0.84	0.66	3.37	3.48	2.29	1.10	2.00	1.17	1.18	0.88
AGE: Ad																						
1972-73 P-VALUE	7.47	7.54	9.30	5.91	7.59	7.30	7.62	6.58	10.27	15.75	13.17	5.03	6.43	3.77	13.37	8.28	13.63	8.54	5.12	5.98	5.52	6.99
1972-73 SE OF P-VAL	0.84	1.61	2.40	1.37	1.47	1.20	1.02	0.86	2.20	3.77	1.79	1.26	1.27	1.20	4.75	2.99	3.18	2.22	2.19	2.07	2.28	1.39
1972-73 DELTA-P		0.07	1.83	-1.56	0.12	-0.17	0.15	-0.89*	2.80	8.28*	5.70#	-2.44*	-1.04	-3.70#	5.90	0.81	6.16*	1.07	-2.35	-1.49	-1.95	-0.48
1972-73 SE OF DP		1.41	2.03	1.23	[illegible]	0.75	0.70	0.38	2.03	3.57	1.30	1.16	1.13	1.06	4.59	2.82	3.02	2.07	2.16	1.98	2.20	1.04

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202044-12

72-73 Report #: UB206

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Biological science

Exercise Type: Apparatus needed
Scoring Type: Semi-professional
Administration Mode: Individual

Age:	9	13
72-73 Package-Exercise:	09-01	10-01
72-73 National P-val:		
UB206A	78.11	91.83
UB206B	73.53	90.22

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 202044-12 UB206

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective II.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.40	0.10	0.33	0.88	0.20	0.00	0.83	0.41	0.00	1.24	0.53	0.00	0.53	0.28	0.48	2.00	0.60	0.00	0.23	0.00	0.00	0.42
1972-73 SE OF P-VAL	0.19	0.10	0.25	0.61	0.21	0.00	0.39	0.27	0.00	0.96	0.54	0.00	0.53	0.20	0.30	1.38	0.60	0.00	0.22	0.00	0.00	0.36
1972-73 DELTA-P		-0.30	-0.07	0.48	-0.20	-0.40*	0.43*	0.01	-0.40*	0.84	0.13	-0.40*	0.13	-0.12	0.08	1.60	0.20	-0.40*	-0.17	-0.40*	-0.40*	0.02
1972-73 SE OF DP		0.21	0.27	0.44	0.25	0.19	0.20	0.07	0.19	0.93	0.55	0.19	0.43	0.18	0.23	1.25	0.58	0.19	0.28	0.19	0.19	0.28
AGE: 13																						
1972-73 P-VALUE	0.26	1.07	0.00	0.00	0.00	0.12	0.40	0.25	0.49	0.00	1.72	0.00	0.18	0.15	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.00
1972-73 SE OF P-VAL	0.18	0.72	0.00	0.00	0.00	0.12	0.30	0.19	0.49	0.00	1.71	0.00	0.18	0.15	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00
1972-73 DELTA-P		0.81	-0.26	-0.26	-0.26	-0.14	0.14	-0.01	0.23	-0.26	1.46	-0.26	-0.08	-0.11	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	1.65	-0.26
1972-73 SE OF DP		0.54	0.18	0.18	0.18	0.14	0.14	0.06	0.39	0.18	1.58	0.18	0.15	0.14	0.18	0.18	0.18	0.18	0.18	0.18	1.11	0.18
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	78.11	75.28	77.78	81.24	77.71	81.74	74.27	81.54	64.36	65.70	68.42	78.23	77.93	84.31	71.90	72.82	61.69	85.66	74.96	78.17	85.24	78.90
1972-73 SE OF P-VAL	0.98	1.91	1.98	1.90	2.02	1.35	1.39	0.95	2.79	4.82	4.28	4.23	2.27	1.40	2.09	3.53	4.23	2.54	3.02	3.15	1.81	1.78
1972-73 DELTA-P		-2.83	-0.33	3.13	-0.40	3.63#	-3.84*	3.43#	-13.75#	-12.41#	-9.69*	0.12	-0.18	6.20#	-6.21#	-5.29	-16.42#	7.55#	-3.15	0.06	7.13#	0.79
1972-73 SE OF DP		1.65	1.73	1.59	1.79	0.92	0.98	0.58	2.50	4.44	4.11	4.50	2.03	1.08	1.76	3.44	3.94	2.59	2.81	2.87	1.81	1.51
AGE: 13																						
1972-73 P-VALUE	91.83	93.02	87.73	93.56	92.35	92.63	91.04	93.23	85.68	86.66	80.09	91.53	91.87	94.96	88.90	89.53	84.89	94.50	92.12	93.98	92.81	91.59
1972-73 SE OF P-VAL	0.77	1.55	1.05	1.03	1.40	0.97	0.94	0.85	1.91	2.45	3.57	2.20	1.11	0.87	2.06	2.55	2.64	1.67	1.42	1.59	1.97	1.72
1972-73 DELTA-P		1.19	-4.10#	1.73	0.52	0.80	-0.79	1.40#	-6.15#	-5.17*	-11.74#	-0.30	0.04	3.13#	-2.93	-2.30	-6.94#	2.67	0.29	2.15	0.98	-0.24
1972-73 SE OF DP		1.35	1.10	1.41	1.27	0.56	0.56	0.33	1.76	2.37	3.32	1.85	0.79	0.84	2.00	2.44	2.61	1.67	1.41	1.45	1.91	1.31
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	1.48	1.02	1.97	1.14	1.90	0.87	2.13	1.72	0.00	1.85	1.59	0.96	1.37	1.01	2.24	3.06	0.38	1.05	0.75	1.87	1.11	1.70
1972-73 SE OF P-VAL	0.31	0.47	0.81	0.48	0.75	0.28	0.55	0.37	0.00	1.81	1.22	0.94	0.59	0.36	0.79	1.40	0.38	0.64	0.53	0.84	0.73	0.63
1972-73 DELTA-P		-0.46	0.49	-0.34	0.42	-0.61*	0.65*	0.24	-1.48#	0.37	0.11	-0.52	-0.11	-0.47	0.76	1.58	-1.10*	-0.43	-0.73	0.39	-0.37	0.22
1972-73 SE OF DP		0.45	0.66	0.44	0.64	0.28	0.31	0.14	0.31	1.74	1.24	0.98	0.53	0.34	0.59	1.33	0.47	0.61	0.52	0.79	0.68	0.49
AGE: 13																						
1972-73 P-VALUE	0.54	0.50	0.40	0.63	0.60	0.57	0.51	0.43	0.52	1.81	1.16	1.02	0.59	0.39	0.00	0.53	0.00	1.03	0.79	0.64	0.00	0.57
1972-73 SE OF P-VAL	0.16	0.36	0.24	0.30	0.33	0.23	0.24	0.16	0.30	1.17	0.86	0.64	0.26	0.23	0.00	0.30	0.00	0.74	0.44	0.47	0.00	0.33
1972-73 DELTA-P		-0.04	-0.14	0.09	0.06	0.03	-0.03	-0.11	-0.02	1.27	0.62	0.48	0.05	-0.15	-0.54#	-0.01	-0.54#	0.49	0.25	0.10	-0.54#	0.03
1972-73 SE OF DP		0.30	0.24	0.25	0.28	0.17	0.17	0.09	0.30	1.10	0.80	0.60	0.22	0.19	0.16	0.31	0.16	0.68	0.44	0.42	0.16	0.25

EXERCISE: 202044-12 UB206

Part B.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.85	1.31	1.98	1.33	2.98	1.32	2.41	0.98	3.22	10.10	5.28	0.53	1.27	1.32	2.72	3.74	4.24	0.18	1.51	1.70	0.93	1.90
1972-73 SE OF P-VAL	0.37	0.54	0.57	0.49	1.25	0.38	0.56	0.27	0.91	3.86	2.18	0.53	0.43	0.40	0.65	1.90	1.49	0.18	0.87	0.78	0.45	0.60
1972-73 DELTA-P		-0.54	0.13	-0.52	1.13	-0.53	0.56	-0.87#	1.37	8.25*	3.43	-1.32#	-0.58	-0.53	0.87*	1.89	2.39	-1.67#	-0.34	-0.15	-0.92	0.05
1972-73 SE OF DP		0.53	0.56	0.49	0.99	0.30	0.33	0.31	0.86	3.61	2.02	0.42	0.39	0.31	0.43	1.69	1.44	0.43	0.85	0.74	0.52	0.41
AGE: 13																						
1972-73 P-VALUE	0.45	0.31	0.31	0.39	0.78	0.31	0.59	0.23	1.14	1.77	1.56	0.30	0.54	0.06	0.98	1.19	0.79	0.00	0.24	0.79	0.00	0.41
1972-73 SE OF P-VAL	0.16	0.24	0.22	0.27	0.45	0.22	0.23	0.12	0.64	1.27	1.18	0.29	0.30	0.06	0.55	0.92	0.55	0.00	0.23	0.53	0.00	0.24
1972-73 DELTA-P		-0.14	-0.14	-0.06	0.33	-0.14	0.14	-0.22	0.69	1.32	1.11	-0.15	0.09	-0.39#	0.53	0.74	0.34	-0.45#	-0.21	0.34	-0.45#	-0.04
1972-73 SE OF DP		0.23	0.23	0.24	0.35	0.16	0.16	0.12	0.57	1.19	1.09	0.31	0.24	0.15	0.52	0.82	0.54	0.16	0.26	0.48	0.16	0.20
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	73.53	70.60	71.72	77.83	73.37	78.20	68.59	77.98	56.80	54.81	61.98	69.98	72.93	81.79	65.99	69.07	53.63	84.30	67.98	75.33	81.46	73.59
1972-73 SE OF P-VAL	1.04	2.00	2.21	1.56	2.54	1.52	1.36	1.00	3.44	5.13	3.06	4.72	2.29	1.61	1.84	3.89	4.28	2.47	3.32	3.02	2.23	1.87
1972-73 DELTA-P		-2.93	-1.81	4.30#	-0.16	4.67#	-4.94#	4.45#	-16.73#	-18.72#	-11.55#	-3.55	-0.60	8.26#	-7.54#	-4.46	-19.90#	10.77#	-5.55	1.80	7.93#	0.06
1972-73 SE OF DP		1.78	1.91	1.44	2.15	0.98	1.04	0.73	3.13	4.73	3.91	4.92	2.02	1.20	1.58	3.72	4.13	2.60	3.17	2.84	2.08	1.56

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 202044-12   UB206

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIB.

Part B.

	NATION	REGION NORTH EAST	 SOUTH EAST	 CENTRAL	 WEST	SEX MALE	 FEMALE	RACE WHITE	 BLACK	 OTHER RACE	PARENTAL EDUCATION NO HS	 SOME HS	 GRAD HS	 POST HS	 UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	 LOW METRO	 HIGH METRO	 MAIN BIG CTY	 URBAN FRINGE	 MEDIUM CITY	 SMALL PLACES
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	90.22	91.56	84.72	92.58	91.11	91.58	88.87	92.32	88.78	82.77	78.30	89.03	90.66	94.11	83.67	88.66	81.69	93.78	88.73	92.92	91.77	89.89
1972-73 SE OF P-VAL	0.90	1.45	1.53	1.79	1.45	0.99	1.06	0.85	2.88	2.99	3.77	2.88	1.07	0.95	2.77	2.77	2.96	1.75	2.34	1.76	2.28	1.69
1972-73 DELTA-P		1.34	-5.50#	2.36	0.89	1.36*	-1.35*	2.10#	-9.44#	-7.45#	-11.92#	-1.19	0.44	3.09#	-6.55#	-1.56	-8.53#	3.56	-1.49	2.70	1.55	-0.33
1972-73 SE OF DP		1.31	1.40	1.41	1.31	0.63	0.64	0.44	2.58	2.90	3.53	2.20	0.90	0.88	2.60	2.59	2.96	1.81	2.14	1.65	2.25	1.32
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.75	7.66	7.02	5.75	6.69	4.66	8.96	6.26	8.22	9.77	7.03	11.80	5.87	2.92	11.44	7.20	7.41	4.86	9.88	6.58	5.07	6.82
1972-73 SE OF P-VAL	0.49	1.20	1.03	0.71	0.96	0.54	0.80	0.58	1.49	3.57	2.99	2.77	1.30	0.62	1.15	2.92	1.62	1.33	2.27	1.99	0.68	0.92
1972-73 DELTA-P		0.91	0.27	-1.00	-0.06	-2.09#	2.21#	-0.49	1.47	3.02	0.28	5.05	-0.88	-3.83#	3.69#	0.45	0.66	-1.89	3.13	-0.17	-1.68*	0.07
1972-73 SE OF DP		0.98	0.89	0.68	0.87	0.46	0.48	0.35	1.42	3.47	3.06	2.78	1.10	0.60	0.95	2.69	1.59	1.31	2.17	1.95	0.76	0.84
AGE: 13																						
1972-73 P-VALUE	2.38	1.95	4.00	2.27	1.13	1.63	2.97	1.75	5.50	2.93	4.77	3.41	1.80	1.46	4.14	4.26	3.76	1.38	3.81	1.20	2.35	1.60
1972-73 SE OF P-VAL	0.37	0.49	1.22	0.63	0.42	0.40	0.62	0.34	1.66	1.08	1.95	1.19	0.54	0.45	1.06	1.51	1.27	0.62	1.59	0.54	1.05	0.45
1972-73 DELTA-P		-0.35	1.70	-0.03	-1.17*	-0.67	0.67	-0.55*	3.20*	0.63	2.47	1.11	-0.42	-0.84*	1.84	1.36	1.46	-0.92	1.51	-1.10	0.05	-0.70
1972-73 SE OF DP		0.51	0.97	0.55	0.47	0.36	0.36	0.24	1.43	1.06	1.81	1.14	0.41	0.38	0.99	1.37	1.15	0.65	1.38	0.62	0.99	0.48

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202048-1

72-73 Report #: UB207

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Biological science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 02-05

72-73 National P-val:
UB207 90.37

Timing: (in seconds)
Stimulus: 11
Response: 26
I don't know: 5
Pause: 6
UB207 Exercise total: 48

EXERCISE: 202048-1 UB207

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.97	1.91	2.64	2.32	0.90	2.21	1.74	1.88	2.24	2.49	1.89	3.69	1.87	1.88	1.92	2.57	1.58	1.81	1.57	2.49	0.31	2.82
1972-73 SE OF P-VAL	0.32	0.63	0.78	0.67	0.46	0.47	0.38	0.37	0.90	1.53	1.15	1.54	0.54	0.57	0.51	1.18	0.62	0.97	1.27	1.02	0.32	0.89
1972-73 DELTA-P		-0.06	0.67	0.35	-1.07*	0.24	-0.23	-0.09	0.27	0.52	-0.02	1.72	-0.10	-0.09	-0.05	0.60	-0.39	-0.16	-0.40	0.52	-1.66#	0.85
1972-73 SE OF DP		0.53	0.66	0.56	0.47	0.28	0.27	0.18	0.87	1.47	1.07	1.49	0.52	0.46	0.36	1.07	0.62	0.91	1.22	0.89	0.43	0.39
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	90.37	88.42	89.37	91.63	92.33	90.21	90.53	91.36	87.23	85.16	85.11	84.87	91.57	92.02	89.85	88.77	86.27	89.76	93.47	89.64	95.62	90.25
1972-73 SE OF P-VAL	0.64	1.03	1.09	1.32	1.69	1.01	0.87	0.65	1.72	3.30	3.36	3.02	1.34	1.18	1.04	1.61	1.89	1.98	3.42	2.07	1.20	1.04
1972-73 DELTA-P		-1.95*	-1.00	1.26	1.96	-0.16	0.16	0.99#	-3.14*	-5.21	-5.26	-5.50	1.20	1.65	-0.52	-1.60	-4.10*	-0.61	3.10	-0.73	5.25#	-0.12
1972-73 SE OF DP		0.94	1.01	1.10	1.43	0.70	0.68	0.32	1.51	3.11	3.37	2.91	1.21	0.99	0.80	1.54	1.78	1.90	3.29	1.76	1.27	0.89
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.76	0.30	1.22	0.55	1.07	0.49	1.03	0.59	1.39	1.41	2.27	0.36	0.62	0.19	1.07	0.93	1.15	0.84	0.00	0.72	0.40	0.85
1972-73 SE OF P-VAL	0.18	0.17	0.51	0.29	0.46	0.22	0.27	0.17	0.56	0.83	1.05	0.36	0.32	0.14	0.33	0.42	0.60	0.59	0.00	0.51	0.24	0.29
1972-73 DELTA-P		-0.46*	0.46	-0.21	0.31	-0.27	0.27	-0.17	0.63	0.65	1.51	-0.40	-0.14	-0.57#	0.31	0.17	0.39	0.08	-0.76#	-0.04	-0.36	0.09
1972-73 SE OF DP		0.21	0.41	0.27	0.39	0.18	0.17	0.10	0.47	0.79	0.98	0.40	0.28	0.20	0.21	0.37	0.56	0.54	0.18	0.46	0.27	0.22

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202050-3

72-73 Report #: UB209

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Biological science

Exercise Type: Multiple part multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	06-17

72-73 National P-val:

UB209A	84.38
UB209B	5.44
UB209C	53.91

Timing: (in seconds)

UB209	Introduction:	26
	Stimulus:	16
	Response:	11
	I don't know:	5
	Pause:	4
UB209A	Part total:	36
	Stimulus:	13
	Response:	11
	I don't know:	1
	Pause:	5
	Turn page:	(5)
UB209B	Part total:	30**
	Stimulus:	24
	Response:	10
	I don't know:	1
	Pause:	5
UB209C	Part total:	40
UB209	Exercise total:	132

**Time to turn page is not included in total times.

EXERCISE: 202050-3 UB209

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIB.

Part A.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.18	0.13	0.38	0.23	0.00	0.38	0.00	0.20	0.14	0.00	0.00	0.55	0.00	0.25	0.27	0.00	0.20	0.29	0.00	0.00	0.00	0.38
1972-73 SE OF P-VAL	0.10	0.14	0.39	0.19	0.00	0.22	0.00	0.12	0.14	0.00	0.00	0.56	0.00	0.19	0.28	0.00	0.22	0.29	0.00	0.00	0.00	0.28
1972-73 DELTA-P		-0.05	0.20	0.05	-0.18	0.20	-0.18	0.02	-0.04	-0.18	-0.18	0.37	-0.18	0.07	0.09	-0.18	0.02	0.11	-0.18	-0.18	-0.18	0.20
1972-73 SE OF DP		0.14	0.32	0.16	0.10	0.11	0.10	0.02	0.16	0.10	0.10	0.51	0.10	0.11	0.28	0.10	0.23	0.27	0.10	0.10	0.10	0.19

RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	84.38	88.95	76.32	86.24	83.70	83.17	85.48	88.82	60.73	60.29	69.98	69.51	85.16	91.73	63.90	80.33	72.91	93.39	88.24	88.89	82.72	81.91
1972-73 SE OF P-VAL	1.08	2.18	2.82	1.98	1.75	1.42	1.41	1.13	3.47	4.13	3.30	3.52	1.76	0.84	4.69	3.66	4.08	1.54	2.75	2.74	3.07	1.83
1972-73 DELTA-P		4.57#	-8.06#	1.86	-0.68	-1.21	1.10	4.44#	-23.65#	-24.09#	-14.40#	-14.87#	0.78	7.35#	-20.48#	-4.05	-11.47#	9.01#	3.86	4.51	-1.66	-2.47
1972-73 SE OF DP		1.82	2.81	1.68	1.68	0.97	0.88	0.75	3.25	4.12	3.13	3.19	1.37	0.98	4.33	3.62	3.76	1.53	2.55	2.43	2.91	1.46

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.31	3.38	9.41	4.34	5.22	4.73	5.84	3.48	14.90	15.59	8.46	10.73	5.16	2.06	20.08	5.45	13.65	1.06	5.42	5.80	4.25	5.30
1972-73 SE OF P-VAL	0.78	0.78	2.79	1.20	1.04	0.73	1.24	0.56	3.78	2.72	1.65	1.99	1.48	0.46	4.38	1.80	2.95	0.67	2.30	3.10	1.25	0.82
1972-73 DELTA-P		-1.93*	4.10	-0.97	-0.09	-0.58	0.53	-1.83#	9.59#	10.28#	3.15	5.42#	-0.15	-3.25#	14.77#	0.14	8.34#	-4.25#	0.11	0.49	-1.06	-0.01
1972-73 SE OF DP		0.94	2.23	1.10	1.08	0.71	0.64	0.48	3.26	2.62	1.63	1.94	0.91	0.73	3.91	1.79	2.76	0.93	2.14	2.58	1.28	0.83

EXERCISE: 202050-3 UB209

Part B.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.43	0.45	0.38	0.69	0.13	0.60	0.28	0.32	1.60	0.00	0.00	1.59	0.18	0.38	0.86	0.00	1.23	0.29	0.72	0.00	0.73	0.47
1972-73 SE OF P-VAL	0.15	0.28	0.39	0.33	0.14	0.26	0.17	0.14	0.86	0.00	0.00	0.91	0.18	0.21	0.63	0.00	0.65	0.29	0.74	0.00	0.55	0.30
1972-73 DELTA-P		0.02	-0.05	0.26	-0.30	0.17	-0.15	-0.11	1.17	-0.43#	-0.43#	1.16	-0.25	-0.05	0.43	-0.43#	0.80	-0.14	0.29	-0.43#	0.30	0.04
1972-73 SE OF DP		0.24	0.34	0.26	0.18	0.16	0.14	0.09	0.78	0.15	0.15	0.83	0.18	0.16	0.62	0.15	0.62	0.29	0.70	0.15	0.50	0.23

RESPONSE: 02* AGE: 17 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.44	4.93	6.44	4.95	5.77	4.61	6.20	4.57	11.57	7.49	6.02	9.22	5.66	4.17	7.41	6.16	8.44	4.88	6.01	1.98	8.09	5.46
1972-73 SE OF P-VAL	0.52	1.19	1.12	0.85	0.96	0.78	0.79	0.53	2.25	1.77	2.06	1.63	0.84	0.67	2.44	1.98	2.53	1.22	1.82	0.83	1.65	0.88
1972-73 DELTA-P		-0.51	1.00	-0.49	0.33	-0.83	0.76	-0.87#	6.13#	2.05	0.58	3.78*	0.22	-1.27#	1.97	0.72	3.00	-0.56	0.57	-3.46#	2.65	0.02
1972-73 SE OF DP		0.95	1.01	0.76	0.87	0.59	0.54	0.30	2.06	1.70	1.94	1.58	0.63	0.50	2.33	1.92	2.35	1.09	1.80	0.82	1.52	0.77

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	15.29	13.11	17.83	13.86	17.41	13.79	16.65	13.04	23.15	35.06	24.96	17.20	16.89	10.43	30.69	10.52	21.52	8.45	17.93	18.30	16.07	15.50
1972-73 SE OF P-VAL	1.20	2.76	2.47	2.15	1.88	1.27	1.80	1.22	2.54	6.16	4.10	2.52	1.90	1.31	6.16	1.97	3.31	3.24	4.28	3.05	2.95	1.93
1972-73 DELTA-P		-2.18	2.54	-1.43	2.12	-1.50	1.36	-2.25#	7.86#	19.77#	9.67#	1.91	1.60	-4.86#	15.40#	-4.77*	6.23	-6.84*	2.64	3.01	0.78	0.21
1972-73 SE OF DP		2.20	2.23	1.83	1.83	1.09	1.00	0.52	2.34	6.01	3.56	2.82	1.16	1.03	5.82	2.33	3.41	2.98	3.85	2.66	2.66	1.58

EXERCISE: 202050-3 UB209

Part C.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.18	0.13	0.38	0.23	0.00	0.38	0.00	0.20	0.14	0.00	0.00	0.55	0.00	0.25	0.27	0.00	0.20	0.29	0.00	0.00	0.00	0.38
1972-73 SE OF P-VAL	0.10	0.14	0.39	0.19	0.00	0.22	0.00	0.12	0.14	0.00	0.00	0.56	0.00	0.19	0.28	0.00	0.22	0.29	0.00	0.00	0.00	0.28
1972-73 DELTA-P		-0.05	0.20	0.05	-0.18	0.20	-0.18	0.02	-0.04	-0.18	-0.18	0.37	-0.18	0.07	0.09	-0.18	0.02	0.11	-0.18	-0.18	-0.18	0.20
1972-73 SE OF DP		0.14	0.32	0.16	0.10	0.11	0.10	0.02	0.16	0.10	0.10	0.51	0.10	0.11	0.28	0.10	0.23	0.27	0.10	0.10	0.10	0.19

RESPONSE: 04* AGE: 17 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	53.91	58.26	44.42	56.17	54.24	55.99	52.02	55.81	43.53	44.09	36.77	48.29	53.74	59.89	37.92	52.13	41.91	65.89	54.37	56.17	51.91	51.84
1972-73 SE OF P-VAL	1.39	3.52	3.10	1.62	1.96	1.64	2.42	1.41	4.01	4.67	3.25	3.22	2.32	1.95	6.76	3.34	3.79	6.35	4.47	3.89	3.09	1.98
1972-73 DELTA-P		4.35	-9.49#	2.26	0.33	2.08	-1.89	1.90#	-10.38#	-9.82*	-17.14#	-5.62	-0.17	5.98#	-15.99*	-1.78	-12.00#	11.98*	0.46	2.26	-2.00	-2.07
1972-73 SE OF DP		2.73	2.67	1.74	1.99	1.60	1.09	0.60	3.63	4.53	3.57	3.08	1.83	1.31	6.46	3.25	4.02	5.68	4.33	3.25	3.08	1.84

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 202050-3 UB209

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIB.

Part C.

RESPONSE: 99 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.18	5.99	9.36	7.76	5.97	6.95	7.39	6.65	10.50	9.11	10.20	5.81	7.40	5.30	20.55	6.60	8.28	3.80	6.82	10.42	10.34	5.72
1972-73 SE OF P-VAL	0.82	1.15	3.08	1.13	0.84	0.93	1.08	0.73	2.29	3.04	2.39	1.70	1.26	1.06	4.86	1.52	1.84	1.38	2.47	2.92	2.15	0.86
1972-73 DELTA-P		-1.19	2.18	0.58	-1.21	-0.23	0.21	-0.53	3.32	1.93	3.02	-1.37	0.22	-1.88#	13.37#	-0.58	1.10	-3.30*	-0.36	3.24	3.16	-1.46
1972-73 SE OF DP		1.22	2.89	1.10	1.02	0.63	0.57	0.32	1.89	2.72	2.22	1.90	1.11	0.61	4.39	1.61	1.78	1.05	2.04	2.33	2.12	1.00

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202055-234

72-73 Report #: UP210

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using graph and drawings
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	06-31	11-21	06-07
72-73 National P-val: UP210	22.77	35.10	28.52
Timing: (in seconds)			
Stimulus:	44	40	48
Response:	60	60	*
I don't know:	5	5	*
Pause:	6	5	*
UP210 Exercise total:	115	110	*

*Time not limited by paced tape.

EXERCISE: 202055-234 UP210

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	6.49	3.32	5.31	6.32	10.81	8.28	4.83	5.05	15.22	10.08	10.04	6.04	5.18	5.50	10.82	2.43	17.98	6.79	8.35	8.58	5.96	3.96
1972-73 SE OF P-VAL	1.12	0.87	1.12	2.32	3.42	1.35	1.13	1.11	4.90	2.17	3.09	1.67	1.20	1.44	2.80	0.87	10.41	4.38	3.05	4.64	2.99	0.85
1972-73 DELTA-P		-3.17*	-1.18	-0.17	4.32	1.79#	-1.66#	-1.44*	8.73	3.59	3.55	-0.45	-1.31	-0.99	4.33*	-4.06#	11.49	0.30	1.86	2.09	-0.53	-2.53*
1972-73 SE OF DP		1.27	1.40	1.88	2.70	0.57	0.53	0.68	4.40	2.01	3.07	1.61	0.91	0.86	2.16	1.30	9.95	3.88	3.70	4.55	2.80	1.21
AGE: 17																						
1972-73 P-VALUE	1.24	0.54	0.77	0.76	2.85	1.31	1.17	1.17	1.88	0.76	1.08	0.29	0.56	1.80	1.97	0.73	2.35	7.30	1.07	0.00	0.00	0.35
1972-73 SE OF P-VAL	0.75	0.27	0.35	0.41	2.07	0.80	0.72	0.88	0.81	0.73	1.03	0.22	0.25	1.56	1.05	0.73	0.97	6.89	1.10	0.00	0.00	0.19
1972-73 DELTA-P		-0.70	-0.47	-0.48	1.61	0.07	-0.07	-0.07	0.64	-0.48	-0.16	-0.95	-0.68	0.56	0.73	-0.51	1.11	6.06	-0.17	-1.24	-1.24	-0.89
1972-73 SE OF DP		0.77	0.79	0.79	2.15	0.14	0.15	0.17	0.94	1.04	1.20	0.76	0.76	0.83	1.21	1.00	1.04	6.19	1.24	0.75	0.75	0.75
AGE: AD																						
1972-73 P-VALUE	0.67	1.24	0.77	0.30	0.43	0.46	0.86	0.72	0.22	0.71	0.72	0.34	0.38	0.88	3.17	0.30	0.42	0.96	0.00	0.00	1.42	0.84
1972-73 SE OF P-VAL	0.22	0.67	0.39	0.29	0.29	0.23	0.34	0.26	0.22	0.71	0.42	0.3[illegible]	0.26	0.40	2.60	0.29	0.42	0.67	0.00	0.00	0.83	0.47
1972-73 DELTA-P		0.57	0.10	-0.37	-0.24	-0.21	0.19	0.05	-0.45	0.04	0.05	-0.33	-0.29	0.21	2.50	-0.37	-0.25	0.29	-0.67#	-0.67#	0.75	0.17
1972-73 SE OF DP		0.51	0.37	0.29	0.30	0.20	0.1[illegible]	0.06	0.30	0.70	0.32	0.36	0.24	0.32	2.49	0.35	0.44	0.61	0.22	0.22	0.77	0.33
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	22.77	22.82	21.69	23.89	22.40	23.39	22.19	24.23	15.49	16.37	21.27	17.76	21.70	27.30	15.79	25.11	15.71	27.44	21.50	20.25	24.15	22.52
1972-73 SE OF P-VAL	1.08	1.70	1.54	2.7[illegible]	2.04	1.45	1.56	1.21	1.83	2.69	4.44	3.28	1.68	1.96	1.98	4.65	2.94	3.56	3.58	2.61	2.69	1.59
1972-73 DELTA-P		0.05	-1.08	1.12	-0.37	0.62	-0.58	1.46#	-7.28#	-6.40*	-1.50	-5.01	-1.07	4.53#	-6.98#	2.34	-7.06*	4.67	-1.27	-2.52	1.38	-0.25
1972-73 SE OF DP		1.63	1.57	2.06	1.80	1.09	1.01	0.37	1.92	2.60	4.02	3.14	1.52	1.36	1.90	4.36	2.95	3.22	3.56	2.49	2.46	1.37
AGE: 17																						
1972-73 P-VALUE	35.10	30.55	29.78	41.22	36.09	41.44	28.46	37.80	20.23	23.70	28.09	35.76	33.98	37.91	26.82	34.17	21.83	37.54	33.01	32.63	36.48	39.81
1972-73 SE OF P-VAL	1.31	2.26	3.18	2.56	2.47	1.91	1.73	1.41	3.07	3.80	4.40	3.41	2.02	2.01	4.62	3.71	3.55	4.08	6.34	2.84	4.01	1.96
1972-73 DELTA-P		-4.55*	-5.32	6.12#	0.99	6.34#	-6.64#	2.70#	-14.87#	-11.40#	-7.01	0.66	-1.12	2.81*	-8.28	-0.93	-13.27#	2.44	-2.09	-2.47	1.38	4.71#
1972-73 SE OF DP		2.05	2.84	2.06	2.18	1.20	1.36	0.53	3.05	3.60	4.25	3.26	1.60	1.29	4.63	3.72	3.33	4.60	6.16	2.59	3.67	1.69
AGE: AD																						
1972-73 P-VALUE	28.52	29.63	24.21	26.31	33.32	38.68	19.08	30.37	15.26	25.20	21.76	22.72	32.33	34.00	33.79	32.03	20.26	32.10	29.87	25.47	25.47	29.99
1972-73 SE OF P-VAL	1.29	2.61	2.52	1.62	3.34	1.94	1.51	1.33	2.63	5.41	1.93	2.55	2.23	2.77	10.73	3.71	3.23	3.37	6.17	3.29	3.07	1.98
1972-73 DELTA-P		1.11	-4.31	-2.21	4.80	10.16#	-9.44#	1.85#	-13.26#	-3.32	-6.76#	-5.80*	3.81*	5.48*	5.27	3.51	-8.26#	3.58	1.35	-3.05	-3.05	1.47
1972-73 SE OF DP		2.23	2.38	1.68	2.66	1.25	1.10	0.52	2.36	5.10	1.73	2.53	1.77	2.20	10.48	3.72	3.14	3.24	5.05	3.11	2.77	1.43
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	12.27	10.41	12.09	15.31	10.69	9.90	14.46	12.44	10.93	12.36	5.87	13.08	14.92	8.66	18.78	18.77	15.11	8.25	9.55	10.20	13.60	12.20
1972-73 SE OF P-VAL	0.86	1.90	1.04	2.09	1.33	0.92	1.24	0.99	1.78	2.65	2.04	2.04	1.49	1.02	2.23	3.43	2.56	1.68	2.94	2.41	2.32	1.39
1972-73 DELTA-P		-1.86	-0.18	3.04	-1.58	-2.37#	2.19#	0.17	-1.34	0.09	-6.40#	0.81	2.65*	-3.61#	6.51#	C.50*	2.84	-4.02#	-2.72	-2.07	1.33	-0.07
1972-73 SE OF DP		1.61	1.15	1.62	1.27	0.72	0.68	0.30	1.80	2.61	1.88	2.01	1.17	0.76	1.94	3.18	2.47	1.50	2.83	2.11	2.23	1.22
AGE: 17																						
1972-73 P-VALUE	10.37	11.41	12.98	9.70	8.22	8.35	12.48	9.58	15.62	10.87	9.57	10.52	10.97	9.31	15.00	12.35	11.83	14.19	8.91	11.07	8.98	8.71
1972-73 SE OF P-VAL	0.93	2.44	2.44	1.47	1.24	1.17	1.17	1.08	2.48	3.97	2.95	1.98	1.05	1.17	2.91	4.66	2.64	2.73	1.83	3.33	1.81	1.34
1972-73 DELTA-P		1.04	2.97	-0.67	-2.15	-2.02#	2.11#	-0.79*	5.25*	0.50	-0.8C	0.15	0.60	-1.06	4.63	1.98	1.46	3.82	-1.46	0.70	-1.39	-1.66
1972-73 SE OF DP		1.99	2.13	1.31	1.28	0.66	0.74	0.37	2.15	3.94	2.71	2.11	1.33	0.82	2.75	4.37	2.59	2.74	1.98	2.87	1.76	1.25
AGE: AD																						
1972-73 P-VALUE	25.99	24.60	27.92	26.89	24.84	17.10	34.25	24.44	34.87	33.05	33.26	29.75	23.40	18.54	32.56	29.60	31.20	24.36	21.19	30.08	27.09	24.16
1972-73 SE OF P-VAL	1.31	1.90	2.50	3.02	2.74	1.56	1.79	1.35	4.16	6.93	2.40	3.81	1.91	2.19	8.57	3.20	4.73	2.80	3.90	3.71	4.27	2.01
1972-73 DELTA-P		-1.39	1.93	0.90	-1.15	-8.89#	8.26#	-1.55*	8.88*	7.06	7.27#	3.76	-2.59	-7.45#	6.57	3.61	5.21	-1.63	-4.80	4.09	1.10	-1.83
1972-73 SE OF DP		1.85	2.33	2.38	2.32	1.15	1.05	0.71	3.85	6.58	1.80	3.38	1.79	1.91	8.39	3.30	4.40	2.59	3.17	3.57	3.73	1.52

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202057-34

72-73 Report #: UP211

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: 2. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	11-19	03-25
72-73 National P-val:		
UP211	34.58	31.31
Timing: (in seconds)		
Stimulus:	48	53
Response:	11	*
I don't know:	5	*
Pause:	6	*
UP211 Exercise total:	[illegible]0	*

*Time not limited by paced tape.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

EXERCISE: 202057-34   UP211

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No response.																						
1972-73 P-VALUE	1.11	0.44	0.34	0.22	3.42	1.29	0.92	1.09	0.99	1.76	0.00	0.84	0.04	1.83	2.28	0.21	1.78	7.30	0.41	0.25	0.27	0.20
1972-73 SE OF P-VAL	0.60	0.24	0.25	0.17	2.65	0.69	0.69	0.07	0.53	1.76	0.00	0.60	0.04	1.55	1.74	0.21	1.26	6.09	0.32	0.24	0.27	0.16
1972-73 DELTA-P		-0.67	-0.77	-0.89	2.31	0.18	-0.19	-0.02	-0.12	0.65	-1.11	-0.27	-1.07	0.72	1.17	-0.90	0.67	6.19	-0.70	-0.86	-0.84	-0.91
1972-73 SE OF DP		0.70	0.71	0.49	1.98	0.13	0.14	0.23	0.91	2.11	0.60	0.85	0.60	0.98	2.07	0.71	1.50	6.25	0.73	0.71	0.72	0.68
AGE: 13																						
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	34.58	35.43	30.45	35.86	35.38	42.57	26.22	37.21	19.42	26.62	26.53	31.13	35.39	38.12	20.64	31.63	22.57	35.91	33.03	41.87	35.74	34.38
1972-73 SE OF P-VAL	1.29	3.72	1.94	2.18	2.02	1.66	1.66	1.45	2.45	5.04	[illegible]	4.03	2.01	1.95	4.05	5.26	2.56	4.32	5.08	4.18	3.35	1.58
1972-73 DELTA-P		0.85	-4.13*	1.28	0.80	7.99#	-8.36#	2.63#	-15.16#	-7.96	-8.05	-3.45	0.81	3.54#	-13.94#	-2.95	-12.01#	1.33	-1.55	7.29*	1.16	-0.20
1972-73 SE OF DP		2.97	2.00	1.87	1.92	0.98	1.01	0.62	2.28	4.99	4.50	4.05	1.65	1.38	3.77	4.96	2.51	4.17	4.83	3.58	3.35	1.66
AGE: 13																						
1972-73 P-VALUE	31.31	26.43	30.64	30.45	37.12	43.62	19.08	33.72	14.11	27.14	26.91	28.88	32.83	37.51	13.94	31.23	24.52	35.86	33.39	38.26	31.48	28.79
1972-73 SE OF P-VAL	1.45	2.80	2.22	3.57	2.36	2.33	1.44	1.54	2.49	5.25	2.69	3.04	2.45	2.66	3.94	4.47	3.12	4.87	5.33	5.12	3.66	2.22
1972-73 DELTA-P		-4.88	-0.67	-0.86	5.81#	12.31#	-12.23#	2.41#	-17.20#	-4.17	-4.40*	-2.43	1.52	6.20#	-17.37#	-0.08	-6.79*	4.55	2.08	6.95	0.17	-2.52
1972-73 SE OF DP		2.46	2.24	2.76	2.19	1.40	1.22	0.50	2.71	4.85	2.16	2.89	1.73	2.38	4.05	4.42	3.11	3.87	4.84	4.79	3.67	1.83
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	11.42	12.29	13.07	11.20	9.60	8.09	14.90	11.05	16.43	5.07	11.26	11.91	12.28	8.91	23.06	10.61	13.17	10.38	10.58	9.70	12.08	12.30
1972-73 SE OF P-VAL	0.77	1.72	1.49	1.55	1.31	0.93	1.26	0.87	1.70	2.34	2.67	2.14	1.31	0.99	4.12	1.42	2.10	2.38	2.54	1.70	1.54	1.62
1972-73 DELTA-P		0.87	1.65	-0.22	-1.82	-3.33#	3.48#	-0.37	5.01#	-6.35#	-0.16	0.49	0.86	-2.51#	11.64#	-0.81	1.75	-1.04	-0.84	-1.72	0.66	0.90
1972-73 SE OF DP		1.07	1.40	1.23	1.19	0.79	0.87	0.29	1.77	2.31	2.59	2.17	1.06	0.63	3.86	1.45	2.08	2.28	2.41	1.68	1.50	1.15
AGE: 13																						
1972-73 P-VALUE	17.70	19.62	20.90	19.00	12.08	9.37	25.48	15.92	32.36	17.28	23.04	19.95	15.02	10.70	46.14	16.49	25.22	9.26	21.71	9.74	20.35	19.84
1972-73 SE OF P-VAL	0.91	1.77	2.17	1.58	1.79	[illegible]	1.73	1.00	3.93	3.46	2.18	2.35	1.47	1.47	7.61	2.78	3.94	2.21	3.64	2.33	2.70	1.75
1972-73 DELTA-P		1.92	3.20	1.30	-5.62#	-8.33#	7.78#	-1.78#	14.66#	-0.42	5.34#	2.25	-2.68*	-7.00#	28.44#	-1.21	7.52*	-8.44#	4.01	-7.96#	2.65	2.14
1972-73 SE OF DP		1.57	1.91	1.37	1.51	1.07	1.06	0.52	3.75	3.45	1.80	2.08	1.28	1.52	7.53	2.84	3.75	1.36	3.67	2.25	2.75	1.38

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202058-123

72-73 Report #: UP212

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13	17IS
72-73 Package-Exercise:	07-35	04-31	11-16
72-73 National P-val: UP212	41.16	44.85	48.65
Timing: (in seconds)			
Stimulus:	14	15	13
Response:	16	16	17
I don't know:	5	5	5
Pause:	6	6	5
UP212 Exercise total:	41	42	40

EXERCISE: 202058-123   0P212

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.91	0.79	0.56	1.93	0.13	1.16	0.68	0.30	4.51	0.84	0.00	1.94	0.60	0.69	1.26	0.00	7.55	0.00	1.12	0.35	0.53	0.40
1972-73 SE OF P-VAL	0.48	0.35	0.34	1.62	0.13	0.58	0.41	0.12	2.84	0.84	0.00	1.36	0.55	0.51	0.47	0.00	6.63	0.00	0.67	0.25	0.53	0.20
1972-73 DELTA-P		-0.12	-0.37	1.02	-0.78	0.23	-0.23	-0.61	3.60	-0.07	-0.91	1.03	-0.31	-0.22	0.33	-0.91	6.64	-0.91	0.21	-0.56	-0.38	-0.51
1972-73 SE OF DP		0.53	0.53	1.17	0.48	0.15	0.16	0.38	2.39	0.93	0.48	1.06	0.17	0.18	0.18	0.48	6.19	0.48	0.74	0.52	0.66	0.49
AGE: 13																						
1972-73 P-VALUE	2.09	0.29	0.17	0.41	7.36	2.67	1.47	1.35	2.04	7.45	4.75	0.62	2.06	1.29	3.51	0.87	13.99	0.00	0.00	4.43	0.00	0.36
1972-73 SE OF P-VAL	1.33	0.30	0.17	0.40	5.18	1.70	0.94	0.89	2.39	6.69	3.37	0.62	1.39	1.29	2.43	0.63	11.38	0.00	0.00	4.30	0.00	0.36
1972-73 DELTA-P		-1.80	-1.92	-1.68	5.27	0.58	-0.62	-0.74	0.75	5.36	2.66	-1.47	-0.03	-0.80	1.42	-1.22	11.90	-2.09	-2.09	2.34	-2.07	-1.73
1972-73 SE OF DP		1.34	1.33	1.36	3.87	0.39	0.42	0.54	1.77	5.79	2.33	1.41	0.33	1.08	1.30	1.42	10.23	1.33	1.33	3.57	1.33	1.35
AGE: 17																						
1972-73 P-VALUE	0.10	0.41	0.00	0.00	0.00	0.20	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	1.36	0.00	0.00	0.00	1.17	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.10	0.41	0.00	0.00	0.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00	1.15	0.00	0.00	0.00
1972-73 DELTA-P		0.31	-0.10	-0.10	-0.10	0.10	-0.10	-0.10	0.73	-0.10	-0.10	-0.10	-0.10	-0.10	1.26	-0.10	-0.10	-0.10	1.07	-0.10	-0.10	-0.10
1972-73 SE OF DP		0.31	0.10	0.10	0.10	0.10	0.10	0.10	0.71	0.10	0.10	0.10	0.10	0.10	1.20	0.10	0.10	0.10	1.05	0.10	0.10	0.10
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	41.16	42.95	41.30	39.00	41.69	42.32	40.00	42.07	29.94	43.92	35.83	46.98	44.36	48.10	34.03	31.12	29.36	45.72	40.11	43.46	43.02	43.17
1972-73 SE OF P-VAL	1.42	3.26	2.82	2.42	2.83	1.89	1.77	1.57	2.32	5.66	5.17	4.96	2.08	2.04	2.04	3.56	4.54	2.76	4.37	3.27	2.86	2.66
1972-73 DELTA-P		1.79	0.14	-2.16	0.53	1.16	-1.16	1.71#	-11.22#	2.76	-5.33	5.82	3.20	6.90#	-7.13#	-10.04#	-11.80#	4.56	-1.05	2.30	1.86	2.01
1972-73 SE OF DP		2.67	2.49	2.14	2.55	1.16	1.10	0.59	2.41	5.33	4.84	5.33	1.63	1.68	1.39	3.47	4.48	3.01	4.10	2.80	2.61	2.05
AGE: 13																						
1972-73 P-VALUE	44.05	47.40	44.72	44.13	43.11	48.75	40.69	46.56	35.36	42.80	36.52	43.03	45.30	47.61	42.03	44.58	31.69	48.22	49.76	44.93	47.55	44.75
1972-73 SE OF P-VAL	1.36	3.27	2.02	2.42	2.90	1.78	1.71	1.57	3.11	4.93	4.29	3.46	2.56	2.16	2.51	4.36	5.04	4.51	4.15	3.89	3.37	2.32
1972-73 DELTA-P		2.63	-0.13	-0.72	-1.74	3.90#	-4.16#	1.71#	-9.49#	-2.05	-8.33*	-1.02	0.45	2.76	-2.02	-0.27	-13.16#	3.37	4.91	0.88	2.70	-0.10
1972-73 SE OF DP		2.60	2.05	2.11	2.45	1.07	1.13	0.67	3.05	4.74	4.07	3.47	2.02	1.51	2.44	4.09	4.70	4.25	3.94	3.52	3.30	2.08
AGE: 17																						
1972-73 P-VALUE	48.65	45.72	45.65	49.18	53.08	58.16	38.72	50.50	39.42	39.40	44.32	44.13	45.40	54.64	34.48	44.72	39.86	49.23	42.89	43.90	55.47	53.86
1972-73 SE OF P-VAL	1.68	3.97	2.86	2.42	3.85	2.00	2.07	1.98	2.76	5.39	4.26	3.86	2.07	2.51	3.05	4.75	2.27	5.08	3.55	3.39	2.86	3.60
1972-73 DELTA-P		-2.93	-3.00	0.53	4.43	9.49#	-9.93#	1.85#	-9.23#	-9.25	-4.33	-4.52	-3.25	5.99#	-14.17#	-3.93	-8.79#	0.58	-5.76	-4.75	6.02*	5.21
1972-73 SE OF DP		3.29	2.80	2.25	3.15	1.30	1.32	0.61	3.08	5.40	4.05	3.67	1.80	1.38	3.78	4.67	2.66	5.42	3.79	3.19	2.93	2.71
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	17.20	15.05	16.73	17.30	20.11	13.59	20.82	16.60	19.33	20.12	15.94	13.02	12.97	9.91	25.70	15.70	15.80	16.20	22.20	18.26	17.35	15.77
1972-73 SE OF P-VAL	1.18	1.84	2.21	2.27	3.11	1.24	1.71	1.23	2.69	4.51	2.96	4.15	2.61	1.39	1.96	3.08	2.90	2.87	2.04	2.62	3.70	1.70
1972-73 DELTA-P		-2.15	-0.47	0.10	2.91	-3.61#	3.62#	-0.60	2.13	2.92	-1.26	-4.18	-4.23#	-7.29#	8.50#	-1.42	-1.40	-0.94	5.00	1.06	0.15	-1.43
1972-73 SE OF DP		1.76	1.99	1.90	2.59	0.95	0.95	0.34	2.46	4.13	2.84	4.09	1.49	1.40	1.34	2.91	2.87	2.45	2.68	2.25	3.85	1.33
AGE: 13																						
1972-73 P-VALUE	7.09	6.15	6.36	10.04	5.40	5.60	8.60	7.21	7.82	5.06	8.13	7.54	5.86	4.81	14.04	6.77	9.31	4.82	7.40	7.78	7.96	6.35
1972-73 SE OF P-VAL	0.60	1.00	1.35	1.36	0.79	0.69	0.89	0.64	1.79	1.96	1.96	2.03	0.99	0.74	1.80	1.93	1.80	1.73	2.28	1.57	1.41	1.00
1972-73 DELTA-P		-0.94	-0.73	2.95#	-1.69*	-1.49#	1.59#	0.12	0.73	-2.03	1.04	0.45	-1.23	-2.28#	6.95#	-0.32	2.22	-2.27	0.31	0.69	0.87	-0.74
1972-73 SE OF DP		0.91	1.19	1.07	0.80	0.52	0.53	0.33	1.64	1.85	1.97	1.90	0.80	0.60	1.61	1.86	1.71	1.68	2.08	1.44	1.41	0.90
AGE: 17																						
1972-73 P-VALUE	5.17	4.58	4.91	6.01	4.91	3.75	6.66	5.22	5.01	2.67	3.15	4.73	5.07	4.72	7.38	3.65	5.08	5.22	2.79	6.83	5.61	5.14
1972-73 SE OF P-VAL	0.59	1.10	1.21	1.28	1.01	0.67	0.86	0.67	1.50	1.69	1.49	1.67	1.02	0.81	2.30	1.25	1.21	1.84	1.29	1.46	1.20	1.16
1972-73 DELTA-P		-0.59	-0.26	0.84	-0.26	-1.42#	1.49#	0.05	0.64	-2.50	-2.02	-0.44	0.70	-0.45	2.21	-1.52	-0.09	0.05	-2.38	1.66	0.44	-0.03
1972-73 SE OF DP		0.98	1.12	1.00	0.92	0.50	0.52	0.20	1.48	1.73	1.42	1.67	0.46	0.65	2.11	1.37	1.24	1.65	1.28	1.25	1.24	0.90

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202060-3

72-73 Report #: UP213

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 17IS
72-73 Package-Exercise: 07-10

72-73 National P-val:
UP213 31.07

Timing: (in seconds)
Stimulus: 50
Response: 15
I don't know: 5
Pause: 6
UP213 Exercise total: 76

EXERCISE: 202060-3 0P213

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	0.22	0.45	0.18	0.22	0.00	0.30	0.08	0.15	0.79	0.00	0.38	0.00	0.05	0.39	0.00	0.00	0.20	0.00	0.47	0.83	0.00	0.11
1972-73 SE OF P-VAL	0.14	0.45	0.13	0.17	0.00	0.28	0.06	0.15	0.40	0.00	0.38	0.00	0.05	0.28	0.00	0.00	0.20	0.00	0.47	0.86	0.00	0.09
1972-73 DELTA-P		0.23	-0.04	0.00	-0.22	0.16	-0.14	-0.07	0.57	-0.22	0.16	-0.22	-0.17	0.17	-0.22	-0.22	-0.02	-0.22	0.25	0.61	-0.22	-0.11
1972-73 SE OF DP		0.33	0.17	0.18	0.14	0.15	0.13	0.06	0.37	0.14	0.38	0.14	0.14	0.15	0.14	0.14	0.23	0.14	0.45	0.73	0.14	0.15
RESPONSE: 04* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	31.07	35.02	30.74	32.98	24.88	30.58	31.50	32.88	23.06	20.82	26.08	25.85	28.89	35.04	25.69	26.34	22.60	35.57	30.34	34.89	30.29	31.83
1972-73 SE OF P-VAL	1.40	2.68	2.55	3.16	2.62	1.71	2.09	1.64	2.67	3.91	4.58	3.05	1.93	1.95	4.22	3.65	3.56	5.52	3.99	4.14	3.91	2.59
1972-73 DELTA-P		3.95	-0.33	1.91	-6.19#	-0.49	0.43	1.81#	-8.01#	-10.25#	-4.99	-5.22	-2.18	3.97#	-5.38	-4.73	-8.47*	4.50	-0.73	3.82	-0.78	0.76
1972-73 SE OF DP		2.30	2.40	2.57	2.33	1.40	1.24	0.60	2.72	4.02	4.21	2.78	1.59	1.20	4.27	3.31	3.78	5.35	3.92	3.93	3.67	2.00
RESPONSE: 09 AGE: 17	TEXT: I Don't Know.																					
1972-73 P-VALUE	26.21	23.31	25.56	26.16	30.03	22.78	29.25	25.62	26.92	34.25	28.17	28.70	30.89	21.68	30.58	31.74	29.63	21.86	19.50	27.07	26.74	26.43
1972-73 SE OF P-VAL	1.29	2.67	2.35	2.65	2.29	1.41	2.08	1.40	2.80	4.64	4.09	3.03	1.99	2.05	3.27	2.96	4.28	3.64	4.63	4.56	2.29	2.07
1972-73 DELTA-P		-2.90	-0.65	-0.05	3.82	-3.43#	3.04#	-0.59	0.71	8.04	1.96	2.49	4.68#	-4.53#	4.37	5.53	3.42	-4.35	-6.71	0.86	0.53	0.22
1972-73 SE OF DP		2.18	2.21	2.22	2.08	1.32	1.17	0.43	2.53	4.63	4.10	2.97	1.78	1.25	3.31	3.05	4.07	3.58	4.28	3.96	2.38	1.81

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* The absolute value of this number is greater than 2.0 times it's standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202062-1

72-73 Report #: UP214

72-73 Obj: IX. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	03-07

72-73 National P-val:

UP214	30.62

Timing: (in seconds)

	Stimulus:	27
	Responses:	11
	I don't know:	5
	Pause:	5
UP214	Exercise total:	48

EXERCISE: 202062-1 UP214

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.26	0.00	0.04	0.23	0.36	0.23	0.29	0.05	1.13	0.99	0.58	0.00	0.07	0.00	0.55	0.00	0.84	0.00	0.00	0.00	0.86	0.26
1972-73 SE OF P-VAL	0.11	0.00	0.33	0.16	0.23	0.12	0.15	0.04	0.60	0.85	0.58	0.00	0.07	0.00	0.26	0.00	0.57	0.00	0.00	0.00	0.46	0.20
1972-73 DELTA-P		-0.26*	0.18	-0.03	0.10	-0.03	0.03	-0.21*	0.87	0.73	0.32	-0.26*	-0.19	-0.26*	0.29	-0.26*	0.58	-0.26*	-0.26*	-0.26*	0.60	0.00
1972-73 SE OF DP		0.11	0.27	0.15	0.19	0.08	0.09	0.10	0.52	0.81	0.56	0.11	0.12	0.11	0.16	0.11	0.54	0.11	0.11	0.11	0.41	0.14
RESPONSE: 02* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	30.62	29.09	24.69	33.00	34.50	31.85	29.30	32.12	22.01	31.51	25.82	28.33	34.14	34.05	26.83	30.86	20.73	31.47	29.83	30.84	35.29	31.88
1972-73 SE OF P-VAL	1.05	2.39	1.81	1.91	2.12	1.49	1.45	1.23	2.19	4.73	3.51	5.48	2.30	1.98	1.46	3.66	2.45	4.42	3.47	2.68	3.71	1.67
1972-73 DELTA-P		-1.53	-5.93$	2.38	3.88*	1.23	-1.32	1.50$	-8.61$	0.89	-4.80	-2.29	3.52	3.43	-3.79$	0.24	-9.89$	0.85	-0.79	0.22	4.67	0.46
1972-73 SE OF DP		2.03	1.72	1.63	1.81	1.00	1.07	0.52	2.39	4.43	3.37	5.09	1.82	1.73	1.28	3.65	2.57	4.07	3.30	2.76	3.41	1.31
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	5.26	3.96	6.06	4.36	6.70	4.30	6.29	5.18	5.32	6.19	1.74	6.17	4.91	3.40	7.33	3.15	6.79	4.05	5.52	5.46	3.53	5.86
1972-73 SE OF P-VAL	0.59	0.81	1.78	1.07	0.85	0.66	0.78	0.67	1.17	1.80	1.25	2.08	1.46	0.63	0.90	1.95	1.62	1.20	1.32	1.31	1.25	1.13
1972-73 DELTA-P		-1.30	0.80	-0.90	1.44	-0.96*	1.03*	-0.08	0.06	0.93	-3.52$	0.91	-0.35	-1.06$	2.07$	-2.11	1.53	-0.41	0.26	0.20	-1.73	0.60
1972-73 SE OF DP		0.83	1.45	0.92	0.82	0.39	0.43	0.34	1.01	1.87	1.30	2.93	1.14	0.67	0.56	1.05	1.62	1.15	1.36	1.20	1.22	0.78

* The absolute value of this number is greater than 2.0 times its standard error.
$ The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202066-234

72-73 Report #: UP215

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings

Scoring Type: Machine

Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	03-29	01-03	01-02
72-73 National P-val:			
UP215	31.92	28.22	40.64
Timing: (in seconds)			
Stimulus:	12	10	17
Response:	21	21	*
I don't know:	5	5	*
Pause:	6	6	*
UP215 Exercise total:	44	42	*

*Time not limited by paced tape.

EXERCISE: 202066-234 UP215

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	4.60	0.97	0.68	6.07	9.82	4.92	4.31	4.45	3.80	8.29	4.32	3.58	4.43	4.15	7.11	8.52	10.08	0.63	4.03	12.73	0.48	2.68
1972-73 SE OF P-VAL	1.50	0.37	0.23	3.90	4.09	1.65	1.48	1.82	1.25	4.99	1.79	1.95	1.73	1.63	2.17	7.95	5.95	0.61	2.22	7.60	0.33	2.36
1972-73 DELTA-P		-3.63*	-3.92#	1.47	5.22	0.32	-0.29	-0.15	-0.80	3.69	-0.28	-1.02	-0.17	-0.45	2.51	3.92	5.48	-3.97*	-0.57	8.13	-4.12#	-1.92
1972-73 SE OF DP		1.52	1.51	3.01	3.26	0.46	0.43	0.49	1.95	4.87	1.29	1.41	0.69	0.74	1.42	7.27	6.04	1.61	2.18	6.82	1.53	1.94
AGE: 17																						
1972-73 P-VALUE	0.41	0.72	0.16	0.41	0.28	0.60	0.22	0.21	1.48	1.36	0.00	1.31	0.23	0.12	2.46	0.00	2.38	0.00	0.15	0.28	0.30	0.39
1972-73 SE OF P-VAL	0.15	0.43	0.15	0.31	0.20	0.25	0.12	0.12	0.74	0.86	0.00	0.84	0.16	0.11	1.49	0.00	1.52	0.00	0.14	0.28	0.31	0.22
1972-73 DELTA-P		0.31	-0.25	0.00	-0.13	0.19	-0.19	-0.20	1.07	0.95	-0.41#	0.90	-0.18	-0.29	2.05	-0.41#	1.97	-0.41#	-0.26	-0.13	-0.11	-0.02
1972-73 SE OF DP		0.33	0.19	0.26	0.21	0.12	0.12	0.12	0.65	0.78	0.15	0.76	0.18	0.15	1.40	0.15	1.43	0.15	0.20	0.28	0.31	0.18
AGE: A4																						
	Response did not occur at this age.																					
RESPONSE: 02* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	31.92	31.97	33.36	33.22	29.26	30.65	33.09	29.45	44.09	38.59	32.79	37.46	34.69	27.62	35.17	27.11	40.48	27.42	39.15	24.39	33.77	32.49
1972-73 SE OF P-VAL	1.31	2.40	1.67	3.26	3.55	1.55	1.77	1.36	2.43	3.74	3.11	3.30	2.19	1.66	2.32	3.97	2.83	3.03	3.24	3.62	1.76	2.32
1972-73 DELTA-P		0.05	1.44	1.30	-2.66	-1.27	1.17	-2.47#	12.17#	6.67	0.87	5.54	2.77	-4.30#	3.25	-4.81	8.56#	-4.50	7.23*	-7.53*	1.85	0.57
1972-73 SE OF DP		2.15	1.81	2.54	2.23	1.08	1.00	0.58	2.26	3.65	2.61	2.97	1.62	1.20	2.32	3.67	2.66	2.82	3.02	3.44	1.97	1.82
AGE: 17																						
1972-73 P-VALUE	28.22	28.47	28.95	28.42	27.22	28.99	27.47	26.15	41.75	33.70	38.27	33.42	29.52	24.05	35.16	31.59	29.49	25.03	35.98	27.43	28.73	26.87
1972-73 SE OF P-VAL	1.18	2.05	2.71	2.42	2.30	2.13	1.35	1.25	3.20	3.90	3.98	3.31	2.15	1.67	4.71	2.22	5.09	3.57	5.11	2.57	2.55	1.70
1972-73 DELTA-P		0.25	0.73	0.20	-1.00	0.77	-0.75	-2.07#	13.53#	5.48	10.05#	5.20	1.30	-4.17#	6.94	3.37	1.27	-3.19	7.76	-0.79	0.51	-1.35
1972-73 SE OF DP		1.82	2.41	2.06	1.95	1.36	1.30	0.52	3.18	3.54	3.87	2.96	1.93	1.23	4.46	2.52	4.72	3.42	4.66	2.37	2.43	1.38
AGE: A4																						
1972-73 P-VALUE	40.64	42.99	44.23	34.96	41.87	41.31	40.02	39.60	47.40	43.69	39.64	48.38	40.66	37.33	34.66	41.41	44.04	44.01	43.20	36.67	43.13	38.51
1972-73 SE OF P-VAL	1.22	2.64	2.64	1.62	2.92	2.00	1.50	1.18	3.70	5.42	1.94	3.68	2.18	2.26	6.10	6.52	3.91	3.74	4.39	3.69	4.49	1.44
1972-73 DELTA-P		2.35	3.59	-5.68#	1.23	0.67	-0.62	-1.04	6.76	3.05	-1.00	7.74*	0.02	-3.31	-5.98	0.77	3.40	3.37	2.56	-3.97	2.49	-2.13
1972-73 SE OF DP		2.27	2.32	1.65	2.38	1.31	1.22	0.57	3.40	4.89	1.67	3.32	1.74	2.08	5.97	6.09	3.75	3.57	4.17	3.35	4.13	1.50
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	2.00	2.66	1.82	1.97	1.55	2.09	1.92	1.57	4.02	3.33	1.91	1.86	1.37	2.25	2.86	0.96	2.40	2.71	2.67	1.89	1.94	1.74
1972-73 SE OF P-VAL	0.20	0.61	0.56	0.54	0.54	0.45	0.40	0.29	0.97	1.50	0.99	0.82	0.40	0.47	0.94	0.56	0.52	0.71	0.98	0.82	0.98	0.45
1972-73 DELTA-P		0.66	-0.18	-0.03	-0.45	0.09	-0.08	-0.43#	2.02*	1.33	-0.09	-0.14	-0.63	0.25	0.86	-1.04	0.40	0.71	0.67	-0.11	-0.06	-0.26
1972-73 SE OF DP		0.52	0.50	0.46	0.47	0.34	0.31	0.16	0.87	1.45	0.98	0.83	0.38	0.30	0.86	0.58	0.57	0.66	0.89	0.72	0.89	0.39
AGE: 17																						
1972-73 P-VALUE	1.50	1.48	1.86	1.22	1.51	1.58	1.43	1.14	3.20	3.63	3.97	1.23	1.33	0.95	4.43	0.67	1.73	0.96	3.68	2.19	1.42	1.04
1972-73 SE OF P-VAL	0.36	0.68	0.81	0.58	0.70	0.44	0.46	0.33	1.24	1.69	1.59	0.81	0.59	0.35	2.26	0.49	0.96	0.80	1.37	1.14	0.82	0.61
1972-73 DELTA-P		-0.02	0.36	-0.28	0.01	0.08	-0.07	-0.36*	1.70	2.13	2.47	-0.27	-0.17	-0.55	2.93	-0.83	0.23	-0.54	2.18	0.69	-0.08	-0.46
1972-73 SE OF DP		0.58	0.72	0.54	0.64	0.28	0.27	0.16	1.12	1.56	1.48	0.78	0.47	0.30	2.12	0.57	0.93	0.68	1.23	1.02	0.78	0.37
AGE: A4																						
1972-73 P-VALUE	4.94	4.23	6.66	4.82	4.32	3.96	5.85	3.76	11.03	11.48	7.06	4.28	3.33	3.71	15.[illegible]	6.64	6.67	5.96	5.33	2.19	5.10	4.52
1972-73 SE OF P-VAL	0.62	1.24	1.62	1.15	1.04	0.66	1.00	0.57	2.71	3.87	1.35	1.39	0.69	0.98	5.02	1.96	1.95	1.34	2.50	1.16	1.73	1.04
1972-73 DELTA-P		-0.71	1.72	-0.12	-0.62	-0.98	0.91	-1.18#	6.09#	6.54	2.12	-0.66	-1.61*	-1.23	10.75*	1.70	1.73	1.02	0.39	-2.75*	0.16	-0.42
1972-73 SE OF DP		1.09	1.38	0.97	0.95	0.61	0.56	0.29	2.42	3.43	1.09	1.18	0.71	0.88	4.75	1.86	1.84	1.28	2.32	1.13	1.67	0.78

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202067-12

72-73 Report #: UP216

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	01-15	01-17
72-73 National P-val:		
UP216	61.90	82.35
Timing: (in seconds)		
Stimulus:	15	17
Response:	30	32
I don't know:	5	5
Pause:	6	6
UP216 Exercise total:	56	60

EXERCISE: 202067-12 WP216

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.31	0.27	0.25	0.22	0.51	0.45	0.16	0.11	1.67	0.00	0.22	0.00	0.82	0.15	0.21	0.67	2.28	0.00	0.34	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.15	0.14	0.20	0.22	0.51	0.24	0.11	0.08	1.02	0.00	0.22	0.00	0.64	0.15	0.16	0.52	1.88	0.00	0.36	0.00	0.00	0.19
1972-73 DELTA-P		-0.04	-0.06	-0.09	0.20	0.14	-0.15	-0.20	1.36	-0.31*	-0.09	-0.31*	0.51	-0.16	-0.10	0.36	1.97	-0.31*	0.03	-0.31*	-0.31*	-0.13
1972-73 SE OF DP		0.10	0.21	0.22	0.39	0.10	0.10	0.14	0.89	0.15	0.26	0.15	0.52	0.18	0.18	0.50	1.76	0.15	0.37	0.15	0.15	0.19
AGE: 13																						
1972-73 P-VALUE	0.02	0.09	0.00	0.00	0.00	0.04	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.07
1972-73 SE OF P-VAL	0.02	0.10	0.00	0.00	0.00	0.05	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.08
1972-73 DELTA-P		0.07	-0.02	-0.02	-0.02	0.02	-0.02	-0.02	0.15	-0.02	-0.02	-0.02	-0.02	-0.02	0.13	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	0.05
1972-73 SE OF DP		0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.15	0.02	0.02	0.02	0.02	0.02	0.13	0.02	0.02	0.02	0.02	0.02	0.02	0.06
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	61.90	61.45	55.92	64.53	64.91	63.79	59.99	65.39	49.53	48.10	57.62	53.29	66.91	66.04	57.67	60.90	45.98	65.67	54.68	64.65	61.85	65.63
1972-73 SE OF P-VAL	1.28	2.41	1.32	3.13	2.61	1.55	1.09	1.46	2.86	3.70	4.82	4.86	2.36	2.21	1.73	4.64	4.02	4.56	3.52	3.50	2.21	1.93
1972-73 DELTA-P		-0.45	-5.98#	2.63	3.01	1.89	-1.91	3.49#	-12.37#	-13.80#	-4.28	-8.61	5.01#	4.14*	-4.23#	-1.00	-15.92#	3.77	-7.22*	2.75	-0.05	3.73*
1972-73 SE OF DP		2.12	1.60	2.48	2.24	1.15	1.10	0.64	2.88	3.49	4.66	4.54	1.91	1.72	1.44	4.38	3.91	3.99	3.32	3.31	2.19	1.73
AGE: 13																						
1972-73 P-VALUE	82.35	84.57	80.91	80.62	83.55	83.74	80.90	86.05	67.70	68.08	71.20	80.49	81.86	87.83	75.02	77.26	73.97	89.11	75.02	83.31	80.19	86.60
1972-73 SE OF P-VAL	0.95	2.05	1.26	1.98	1.94	1.40	1.51	0.90	2.66	3.99	4.93	2.95	1.53	1.30	2.66	3.67	4.63	2.14	2.79	2.72	3.47	1.27
1972-73 DELTA-P		2.22	-1.44	-1.73	1.20	1.39	-1.45	3.70#	-14.65#	-14.27#	-11.15*	-1.86	-0.49	5.48#	-7.33#	-5.09	-8.38	6.76#	-7.33#	0.96	-2.16	4.25#
1972-73 SE OF DP		1.73	1.36	1.52	1.71	1.08	1.13	0.67	2.38	3.95	4.62	2.99	1.35	1.02	2.47	3.44	4.61	2.17	2.76	2.67	3.06	1.31
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.88	3.32	4.47	3.53	4.29	3.71	4.05	3.48	4.49	6.86	5.05	3.63	3.16	1.77	5.73	4.63	5.42	3.31	4.06	3.78	2.48	4.23
1972-73 SE OF P-VAL	0.49	1.05	1.11	0.93	0.84	0.59	0.69	0.43	1.24	2.27	1.94	1.59	1.29	0.51	0.92	1.55	1.56	0.78	1.62	1.25	0.99	1.07
1972-73 DELTA-P		-0.56	0.59	-0.35	0.41	-0.17	0.17	-0.40	0.61	2.98	1.17	-0.25	-0.72	-2.11#	1.85#	0.75	1.54	-0.57	0.18	-0.10	-1.40	0.35
1972-73 SE OF DP		0.89	0.96	0.81	0.77	0.41	0.42	0.24	1.11	2.02	1.83	1.56	1.17	0.61	0.63	1.55	1.51	0.77	1.47	1.15	0.97	0.85
AGE: 13																						
1972-73 P-VALUE	1.27	0.45	1.48	2.04	0.95	1.61	0.91	1.27	1.17	1.49	1.42	0.24	0.59	1.16	3.30	4.71	0.67	1.07	0.65	0.91	2.31	0.35
1972-73 SE OF P-VAL	0.30	0.37	0.50	0.78	0.41	0.45	0.34	0.32	0.65	1.05	0.89	0.23	0.33	0.51	1.20	1.81	0.51	0.74	0.47	0.62	1.16	0.11
1972-73 DELTA-P		-0.82*	0.21	0.77	-0.32	0.34	-0.36	0.00	-0.10	0.22	0.15	-1.03#	-0.68	-0.11	2.03	3.44*	-0.60	-0.20	-0.62	-0.36	1.04	-0.92#
1972-73 SE OF DP		0.40	0.48	0.56	0.42	0.26	0.27	0.12	0.57	1.02	0.91	0.37	0.46	0.33	1.02	1.65	0.57	0.70	0.50	0.61	1.01	0.30

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202070-12

72-73 Report #: UP217

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	01-01	01-03
72-73 National P-val:		
UP217	84.91	70.34

Timing: (in seconds)

		9	13
	Stimulus:	14	16
	Response:	45	45
	I don't know:	5	5
	Pause:	6	6
UP217	Exercise total:	70	72

EXERCISE: 202070-12 UP217

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.66	0.11	0.36	0.67	1.46	0.92	0.40	0.17	3.42	0.88	2.16	0.00	1.30	0.18	0.57	0.59	7.11	0.00	0.00	0.00	0.12	0.33
1972-73 SE OF P-VAL	0.33	0.11	0.21	0.47	1.20	0.46	0.23	0.09	2.30	0.63	1.75	0.00	1.04	0.13	0.33	0.45	4.54	0.00	0.00	0.00	0.12	0.24
1972-73 DELTA-P		-0.55	-0.30	0.01	0.80	0.26	-0.26	-0.49	2.76	0.22	1.50	-0.66*	0.64	-0.48	-0.09	-0.07	6.45	-0.66*	-0.66*	-0.66*	-0.54	-0.33
1972-73 SE OF DP		0.34	0.37	0.46	0.91	0.15	0.16	0.32	1.98	0.65	1.47	0.33	0.75	0.34	0.36	0.53	4.23	0.33	0.33	0.33	0.35	0.36
AGE: 13																						
1972-73 P-VALUE	0.02	0.09	0.00	0.00	0.00	0.04	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.07
1972-73 SE OF P-VAL	0.02	0.10	0.00	0.00	0.00	0.05	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.08
1972-73 DELTA-P		0.07	-0.02	-0.02	-0.02	0.02	-0.02	-0.02	0.15	-0.02	-0.02	-0.02	-0.02	-0.02	0.13	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	0.05
1972-73 SE OF DP		0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.15	0.02	0.02	0.02	0.02	0.02	0.13	0.02	0.02	0.02	0.02	0.02	0.02	0.06
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	84.91	86.27	82.84	86.08	84.87	84.05	85.78	86.57	77.27	81.34	90.79	89.14	86.87	85.79	81.99	77.10	78.26	85.57	84.90	89.15	87.39	85.16
1972-73 SE OF P-VAL	1.03	2.10	2.38	1.92	1.94	1.62	1.25	1.12	2.63	3.18	2.87	2.62	2.29	1.52	1.71	3.80	3.92	2.85	3.64	2.09	1.72	2.13
1972-73 DELTA-P		1.36	-2.07	1.17	-0.04	-0.86	0.87	1.66#	-7.64#	-3.57	5.88*	4.23	1.96	0.88	-2.92*	-7.81*	-6.65	0.66	-0.01	4.24*	2.48	0.25
1972-73 SE OF DP		1.79	2.06	1.68	1.71	1.08	1.01	0.46	2.43	2.98	2.88	2.57	1.89	1.43	1.19	3.60	3.88	2.61	3.42	2.04	1.84	1.71
AGE: 13																						
1972-73 P-VALUE	70.34	70.33	74.55	65.33	73.19	69.81	70.90	67.69	85.40	71.93	70.22	73.99	74.51	65.90	72.41	71.15	75.85	62.59	66.82	71.65	76.74	70.34
1972-73 SE OF P-VAL	1.46	3.52	2.42	3.07	1.81	1.92	1.06	1.64	1.78	2.63	2.98	3.61	1.98	2.24	2.61	3.05	3.35	3.97	2.09	4.59	3.66	2.88
1972-73 DELTA-P		-0.01	4.21	-5.01*	2.85	-0.53	0.56	-2.65#	15.06#	1.59	-0.12	3.65	4.17#	-4.44#	2.07	0.81	5.51	-7.75*	-3.52	1.31	6.40	0.00
1972-73 SE OF DP		2.89	2.36	2.37	1.97	1.18	1.23	0.84	1.98	2.88	3.09	3.53	1.49	1.32	2.30	3.16	3.55	3.66	2.95	4.11	3.44	2.24
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.23	1.18	3.79	1.90	2.25	2.16	2.30	1.78	4.50	2.88	1.76	1.88	1.22	1.71	3.25	7.40	3.49	0.47	3.39	1.75	0.51	1.91
1972-73 SE OF P-VAL	0.45	0.81	1.73	0.65	0.45	0.53	0.58	0.37	1.63	1.30	1.49	1.10	0.81	0.67	0.76	4.24	1.19	0.35	1.26	0.78	0.26	0.51
1972-73 DELTA-P		-1.05	1.56	-0.33	0.02	-0.07	0.07	-0.45*	2.27	0.65	-0.47	-0.35	-1.01	-0.52	1.02*	5.17	1.26	-1.76#	1.16	-0.48	-1.72#	-0.32
1972-73 SE OF DP		0.54	1.36	0.63	0.55	0.28	0.29	0.20	1.30	1.30	1.51	1.15	0.52	0.43	0.42	3.90	1.17	0.52	1.20	0.80	0.48	0.59
AGE: 13																						
1972-73 P-VALUE	0.79	0.57	1.02	1.30	0.14	0.75	0.83	0.66	1.72	0.47	1.08	0.99	1.09	0.17	1.61	1.30	1.34	0.37	0.65	1.25	0.64	0.61
1972-73 SE OF P-VAL	0.18	0.26	0.20	0.49	0.14	0.28	0.26	0.20	0.84	0.88	0.81	0.76	0.40	0.10	0.83	1.16	0.78	0.37	0.38	0.67	0.46	0.22
1972-73 DELTA-P		-0.22	0.23	0.51	-0.65#	-0.04	0.04	-0.13	0.93	-0.32	0.29	0.20	0.30	-0.62#	0.82	0.51	0.55	-0.42	-0.14	0.46	-0.15	-0.18
1972-73 SE OF DP		0.25	0.24	0.34	0.20	0.20	0.21	0.13	0.77	0.88	0.81	0.73	0.38	0.19	0.72	1.06	0.78	0.37	0.40	0.61	0.46	0.25

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202071-12

72-73 Report #: UU218

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Unclassified

Exercise Type: Short answer using drawings
Scoring Type: Semi-professional
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	07-32	08-31
72-73 National P-val:		
UU218E	41.66	81.82
UU218W	53.29	85.14
UU218D	40.71	79.89

Timing: (in seconds)

	Stimulus:	18	17
	Response:	86	73
UU218	Exercise total:	104	90

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                              NATION |              REGION              |      SEX       |          RACE          |             PARENTAL EDUCATION           |              SIZE-AND-TYPE OF COMMUNITY
                                     |   NORTH   SOUTH                  |                |                  OTHER |            SOME    GRAD    POST          |EXTREME    LOW    HIGH    MAIN   URBAN  MEDIUM   SMALL
                                     |    EAST    EAST CENTRAL    WEST  |   MALE  FEMALE |  WHITE   BLACK    RACE |   NO HS      HS      HS      HS UNKNOWN | RURAL   METRO   METRO BIG CTY  FRINGE    CITY  PLACES

EXERCISE: 202071-12   00210

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIB.

Part 1.

RESPONSE:  00    AGE:  9         TEXT:  No Response.

    1972-73 P-VALUE              7.40     4.22   12.86    5.74    7.29     8.28    6.56     5.67   15.15   12.39    11.86   15.36    5.19    4.36    9.60    13.41   10.81    3.34    8.29    7.89    6.70    6.37
    1972-73 SE OF P-VAL          0.68     1.33    1.27    1.12    1.40     1.01    0.83     0.56    2.35    3.67     3.66    4.55    1.19    0.68    1.11     3.18    3.03    0.94    3.07    2.19    1.22    1.16
    1972-73 DELTA-P                     -3.18#   5.46#  -1.66   -0.11     0.88   -0.84    -1.73#   7.75#   4.99     4.46    7.96   -2.21*  -3.04#   2.20*    6.01    3.41   -4.06#   0.89    0.49   -0.70   -1.03
    1972-73 SE OF DP                      1.14    1.10    0.97    1.25     0.63    0.63     0.43    2.03    3.56     3.61    4.37    1.06    0.69    0.70     3.07    2.81    0.90    2.91    2.13    1.31    1.00

                 AGE: 13

    1972-73 P-VALUE              3.23     1.49    1.43    1.94    8.03     3.64    2.81     2.13    5.03   11.93     5.36    1.05    4.13    1.57    6.24     0.99   17.59    0.31    1.86    6.21    1.23    1.56
    1972-73 SE OF P-VAL          1.22     0.67    0.33    0.97    4.68     1.30    1.21     0.84    1.61    6.59     2.97    0.48    1.62    0.81    2.18     0.95   11.50    0.31    0.91    4.52    0.69    0.49
    1972-73 DELTA-P                      -1.74   -1.80   -1.29    4.80     0.41   -0.42    -1.10*   1.80    8.70     2.13   -2.18    0.90   -1.66#   3.01*   -2.24   14.36   -2.92*  -1.37    2.98   -2.00   -1.67
    1972-73 SE OF DP                      1.31    1.28    1.39    3.53     0.45    0.45     0.48    1.50    5.47     2.24    1.29    0.61    0.52    1.31     1.07   10.70    1.24    1.40    3.88    1.31    1.25

RESPONSE:  01*   AGE:  9         TEXT:  All Acceptable Responses.

    1972-73 P-VALUE             41.66    50.72   29.58   46.65   37.55    42.20   41.12    46.85   16.45   30.94    32.85   33.60   43.56   51.22   34.99    30.88   17.32   56.83   47.45   44.96   36.27   42.22
    1972-73 SE OF P-VAL          1.52     3.30    1.98    3.16    2.24     1.03    2.03     1.48    1.64    4.44     4.01    4.48    3.23    2.48    1.91     4.50    2.94    3.93    5.34    4.11    2.48    2.50
    1972-73 DELTA-P                      9.06# -12.08#   4.99   -4.11     0.54   -0.54     5.19# -25.21# -10.72*   -8.81*  -8.06    1.90    9.56#  -6.67#  -10.78* -24.34#  15.17#   5.79    3.30   -5.39*   0.56
    1972-73 SE OF DP                      2.69    2.07    2.51    2.36     1.19    1.19     0.62    1.93    4.39     4.28    4.42    2.41    1.98    1.38     4.32    3.25    3.62    5.05    3.82    2.46    2.11

                 AGE: 13

    1972-73 P-VALUE             81.82    86.73   81.64   85.07   73.95    82.10   81.54    87.90   53.33   64.93    73.44   73.04   80.93   89.89   70.33    77.42   54.49   95.90   78.13   81.27   84.71   84.89
    1972-73 SE OF P-VAL          1.30     2.03    2.29    2.87    3.30     1.70    1.55     1.21    3.70    5.64     4.50    3.46    1.87    1.07    3.68     3.51   10.34    1.30    4.40    5.97    2.07    1.33
    1972-73 DELTA-P                      4.91*  -0.18    3.25   -7.87#    0.28   -0.28     6.08# -28.49# -16.89#   -8.38   -8.78*  -0.89    8.07# -11.49#   -4.40  -27.33#  14.08#  -3.69   -0.55    2.89    3.07
    1972-73 SE OF DP                      1.98    2.13    2.40    2.78     0.93    0.95     0.90    3.32    5.23     4.36    3.64    1.22    1.00    3.04     3.56    9.09    1.84    4.36    5.36    2.96    1.62

RESPONSE:  03    AGE:  9         TEXT:  I Don't Know.

    1972-73 P-VALUE             14.01     9.90   18.98   10.96   17.45    14.55   13.47    11.17   27.80   19.95    18.92   19.58   11.56    8.03   18.84    25.20   25.60    6.95   12.20   10.54   16.37   12.70
    1972-73 SE OF P-VAL          1.02     1.74    1.86    1.78    2.71     1.28    1.24     0.94    3.66    6.21     4.29    4.65    1.54    1.03    1.07     4.29    5.27    1.65    2.11    3.38    3.27    1.30
    1972-73 DELTA-P                     -4.11#   4.97#  -3.05*   3.44     0.54   -0.54    -2.84#  13.79#   5.94     4.91    5.57   -2.45   -5.98#   4.83#   11.19#  11.59*  -7.06#  -1.81   -3.47    2.36   -1.31
    1972-73 SE OF DP                      1.60    1.77    1.51    2.25     0.73    0.73     0.68    3.32    5.87     4.02    4.46    1.26    0.99    0.93     4.06    5.20    1.79    2.03    3.09    2.92    1.31

                 AGE: 13

    1972-73 P-VALUE              0.98     0.74    1.24    0.65    1.29     1.21    0.75     0.50    2.72    3.15     1.46    3.10    0.54    0.54    1.60     1.29    4.26    0.00    0.68    0.00    0.73    1.14
    1972-73 SE OF P-VAL          0.21     0.31    0.55    0.36    0.42     0.33    0.23     0.19    0.91    0.95     0.71    1.41    0.28    0.22    0.62     0.65    1.07    0.00    0.48    0.00    0.44    0.48
    1972-73 DELTA-P                     -0.24    0.26   -0.33    0.31     0.23   -0.23    -0.48#   1.74*   2.17*    0.48    2.12   -0.44   -0.44*   0.62     0.31    3.28#  -0.98#  -0.30   -0.98#  -0.25    0.16
    1972-73 SE OF DP                      0.31    0.44    0.33    0.36     0.19    0.20     0.14    0.79    0.91     0.71    1.30    0.28    0.28    0.37     0.62    0.98    0.21    0.47    0.21    0.43    0.37

EXERCISE: 202071-12   00210

Part 2.

RESPONSE:  00    AGE:  9         TEXT:  No Response.

    1972-73 P-VALUE             12.11     8.91   17.31   12.17   10.18    13.54   10.68     9.96   22.47   16.80    14.77   19.25   11.53    7.15   15.26    14.84   21.06    4.07   13.19   10.57   11.68   13.10
    1972-73 SE OF P-VAL          0.97     1.95    2.00    1.74    1.74     1.05    1.18     0.94    2.74    4.18     3.77    4.81    2.03    1.05    1.35     2.33    3.18    1.50    3.30    2.21    2.81    1.95
    1972-73 DELTA-P                      -3.20    5.20#   0.06   -1.93     1.43   -1.43    -2.15#  10.36#   4.69     2.66    7.14   -0.58   -4.96#   3.15#    2.73    8.95#  -8.04#   1.08   -1.54   -0.43    0.99
    1972-73 SE OF DP                      1.65    1.69    1.50    1.62     0.87    0.86     0.53    2.37    4.07     3.70    4.55    1.03    0.85    0.87     2.37    3.06    1.72    3.02    2.21    2.65    1.50

                 AGE: 13

    1972-73 P-VALUE              4.33     2.25    2.53    2.99    9.51     5.03    3.62     2.83    8.34   13.62     8.68    1.55    5.99    1.62    8.09     0.65   18.71    0.84    3.00    7.44    2.40    3.20
    1972-73 SE OF P-VAL          1.20     0.42    0.65    1.03    4.57     1.32    1.25     0.83    1.68    6.81     3.28    0.79    1.57    0.81    2.16     0.38   12.12    0.79    1.37    4.56    0.89    0.61
    1972-73 DELTA-P                      -2.08   -1.80   -1.34    5.18     0.70   -0.71    -1.50#   4.01#   9.29     4.35   -2.78*   1.66*  -2.71#   3.76#   -3.68#  14.38   -3.49*  -1.33    3.11   -1.93   -1.13
    1972-73 SE OF DP                      1.23    1.27    1.39    3.44     0.48    0.49     0.51    1.52    5.76     2.64    1.35    0.72    0.51    1.33     1.23   11.38    1.41    1.89    4.02    1.34    1.24

RESPONSE:  01*   AGE:  9         TEXT:  All Acceptable Responses.

    1972-73 P-VALUE             53.29    62.75   40.46   56.76   51.48    51.75   54.84    58.60   28.02   41.14    42.18   40.57   54.99   66.88   44.31    40.78   32.33   70.83   54.76   57.79   49.99   52.87
    1972-73 SE OF P-VAL          1.58     3.13    2.00    2.86    3.61     1.84    1.96     1.51    2.48    6.02     4.93    5.43    2.20    2.14    1.92     3.58    3.31    3.64    5.03    4.42    3.75    2.50
    1972-73 DELTA-P                      9.46# -12.83#   3.47   -1.81    -1.54    1.55     5.31# -25.27# -12.15*  -11.11* -12.72*   1.70   13.59#  -8.98#  -12.51# -20.96#  17.54#   1.47    4.50   -3.30   -0.42
    1972-73 SE OF DP                      2.61    2.09    2.42    3.14     1.05    1.05     0.72    2.73    5.81     4.63    5.13    2.01    1.60    1.37     3.72    3.71    3.39    4.61    4.07    3.53    2.12

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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NAEP #: 202072-1234

72-73 Report #: UB219

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Biological science

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Individual for age 9/Group at other ages

Age:		9	13	17IS	Adult
72-73 Package-Exercise:		10-04	08-07	03-07	07-26
72-73 National P-val:					
UB219A		29.52	49.90	66.94	80.28
UB219B		.45	2.73	9.31	23.51
Timing: (in seconds)					
	Stimulus:	*	25	24	33
	Response:	*	12	11	*
	I don't know:	*	5	5	*
	Pause:	*	6	5	*
	Turn page:	*	(5)	(5)	(6)
UB219A	Part total:	*	48**	45**	*
	Stimulus:	*	3	2	2
	Response:	*	30	31	*
UB219B	Part total:	*	33	33	*
UB219	Exercise total:	*	81	78	*

*Time not limited by paced tape.

**Time to turn page is not included in total times.

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                          NATION |            REGION              |      SEX      |        RACE          |          PARENTAL EDUCATION              |                 SIZE-AND-TYPE OF COMMUNITY
                                 | NORTH  SOUTH                   |               |               OTHER  |         SOME    GRAD    POST             |EXTREME   LOW    HIGH   MAIN  URBAN  MEDIUM SMALL
                          _______|  EAST   EAST CENTRAL   WEST    |  MALE  FEMALE | WHITE  BLACK   RACE  | NO HS    HS      HS      HS   UNKNOWN | RURAL  METRO  METRO BIG CTY FRINGE  CITY  PLACES

EXERCISE: 202071-12    08218

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIB.

Part 2.

RESPONSE:  01*   AGE: 13       TEXT:  All Acceptable Responses.

    1972-73 P-VALUE         85.14    88.92  85.52  87.84  78.34    84.99  85.30    90.75  61.91  64.38    78.69  82.87  83.92  91.29  75.06    82.88  61.33  96.62  82.38  82.96  88.58  87.76
    1972-73 SE OF P-VAL      1.34     2.02   1.83   2.61   3.75     1.65   1.59     1.11   3.64   5.27     3.93   2.65   1.86   1.17   3.31     4.14  11.64   1.06   3.77   5.20   1.87   1.22
    1972-73 DELTA-P                   3.78   0.38   2.70  -6.80*   -0.15   0.16     5.61#-23.23#-20.76#   -6.45  -2.27  -1.22   6.15#-10.08#   -2.26 -23.81* 11.48# -2.76  -2.18   3.44   2.62
    1972-73 SE OF DP                  1.96   1.86   2.24   2.99     0.91   0.92     0.81   3.22   4.81     3.48   2.97   1.18   0.96   2.73     4.20  10.98   1.44   3.74   5.01   2.19   1.47

RESPONSE:  03    AGE:  9       TEXT:  I Don't Know.

    1972-73 P-VALUE         14.29     9.82  19.06  11.12  18.52    15.18  13.40    11.52  27.62  20.35    18.62  19.59  11.20   8.32  19.54    24.58  24.94   7.70  12.58  10.77  17.71  12.80
    1972-73 SE OF P-VAL      1.03     1.73   2.05   1.78   2.72     1.31   1.23     0.98   3.56   6.26     4.29   4.65   1.54   1.08   1.48     4.31   5.18   2.02   2.21   3.33   3.44   1.37
    1972-73 DELTA-P                  -4.47#  4.77# -3.17*  4.23     0.89  -0.89    -2.77# 13.33#  6.06     4.33   5.30  -3.09* -5.97#  5.25#   10.29# 10.65* -6.52# -1.71  -3.52   3.42  -1.49
    1972-73 SE OF DP                  1.61   1.84   1.51   2.30     0.74   0.74     0.70   3.42   5.94     4.03   4.44   1.29   1.01   0.94     4.07   5.12   2.10   2.10   3.07   3.05   1.32

                 AGE: 13

    1972-73 P-VALUE          0.94     0.74   1.18   0.77   1.07     1.27   0.60     0.54   2.59   2.42     1.22   3.10   0.35   0.62   1.60     0.73   4.26   0.00   0.53   0.21   0.73   1.14
    1972-73 SE OF P-VAL      0.21     0.31   0.53   0.30   0.36     0.34   0.20     0.19   0.87   0.62     0.66   1.41   0.20   0.23   0.62     0.44   1.07   0.00   0.39   0.21   0.44   0.48
    1972-73 DELTA-P                  -0.20   0.24  -0.17   0.13     0.33  -0.34    -0.40#  1.65*  1.48*    0.28   2.16  -0.59* -0.32   0.66    -0.21   3.32# -0.94# -0.41  -0.73# -0.21   0.20
    1972-73 SE OF DP                  0.31   0.43   0.33   0.33     0.19   0.19     0.13   0.76   0.62     0.67   1.29   0.24   0.20   0.57     0.45   1.00   0.21   0.38   0.27   0.42   0.36

EXERCISE: 202071-12    08218

Part 3.

RESPONSE:  00    AGE:  9       TEXT:  No Response.

    1972-73 P-VALUE         13.52    10.52  19.05  13.37  11.29    14.93  12.10    10.90  26.28  18.84    17.63  22.68  11.23   9.50  16.45    19.96  23.24   8.22  14.46  13.21  11.77  12.27
    1972-73 SE OF P-VAL      0.92     2.03   1.77   1.56   1.65     1.38   1.22     0.80   2.63   3.91     4.19   4.94   1.26   1.38   1.43     3.58   3.73   1.76   3.28   2.41   2.42   1.66
    1972-73 DELTA-P                  -3.00   5.53# -0.15  -2.23     1.41  -1.42    -2.62# 12.76#  5.32     4.11   9.16  -2.29  -4.02#  2.93#    6.44   9.72# -5.30#  0.94  -0.31  -1.75  -1.25
    1972-73 SE OF DP                  1.65   1.55   1.38   1.54     0.92   0.91     0.53   2.18   3.78     3.98   4.80   1.17   1.16   1.00     3.42   3.42   1.93   3.09   2.39   2.29   1.35

                 AGE: 13

    1972-73 P-VALUE          4.69     2.36   4.47   2.64   9.27     5.45   3.92     2.96  10.03  14.18     9.82   0.96   5.77   1.86   9.98     1.96  26.13   0.56   2.67   7.53   2.72   3.61
    1972-73 SE OF P-VAL      1.29     0.84   0.92   0.94   4.90     1.55   1.19     0.94   1.77   6.58     3.42   0.51   1.65   0.83   2.63     1.10  11.26   0.54   1.07   5.06   0.92   0.64
    1972-73 DELTA-P                  -2.33  -0.22  -2.05   4.58     0.76  -0.77    -1.73#  5.34#  9.49     5.13  -3.73#  1.08  -2.83#  5.29#   -2.73  15.44  -4.13# -2.02   2.84  -1.97  -1.08
    1972-73 SE OF DP                  1.41   1.44   1.45   3.71     0.51   0.52     0.48   1.67   5.46     2.87   1.32   0.63   0.61   1.74     1.54  10.51   1.36   1.71   4.35   1.39   1.32

RESPONSE:  01*   AGE:  9       TEXT:  All Acceptable Responses.

    1972-73 P-VALUE         40.71    47.89  28.64  43.39  41.81    39.22  42.21    46.35  13.31  28.98    34.99  29.26  42.81  53.19  31.67    28.51  14.69  58.63  38.68  41.31  42.84  42.19
    1972-73 SE OF P-VAL      1.73     3.31   2.54   3.84   3.34     1.95   2.22     1.63   1.39   4.00     5.17   5.46   2.75   2.06   1.83     4.01   2.62   4.00   4.17   4.20   5.18   2.53
    1972-73 DELTA-P                   7.18#-12.07#  2.68   1.10    -1.49   1.50     5.64#-27.40#-11.73#   -5.72 -11.45*  2.10  12.48# -9.04#  -12.20#-26.02# 17.92# -2.03   0.60   2.13   1.48
    1972-73 SE OF DP                  2.83   2.51   3.06   3.04     1.17   1.17     0.64   1.83   3.92     4.89   5.35   2.27   2.19   1.40     4.21   2.85   3.47   4.11   3.66   4.80   2.25

                 AGE: 13

    1972-73 P-VALUE         79.89    84.94  76.72  84.71  73.22    79.16  80.63    87.35  46.80  56.03    62.94  75.40  78.11  91.47  62.12    73.75  52.85  94.27  79.51  79.93  82.56  82.07
    1972-73 SE OF P-VAL      1.61     1.91   2.43   3.05   4.64    *1.97   1.69     1.57   3.70   5.78     3.58   3.33   1.95   1.24   3.35     3.11   9.75   1.94   4.59   5.84   3.55   1.56
    1972-73 DELTA-P                   5.05* -3.17   4.82  -6.67    -0.73   0.74     7.46#-33.09#-23.86#  -16.95# -4.49  -1.78  11.58#-17.77#   -6.14 -27.04# 14.38# -0.38   0.04   2.67   2.18
    1972-73 SE OF DP                  2.09   2.36   2.63   3.67     0.89   0.90     0.97   3.66   5.23     3.37   3.36   1.24   1.02   2.76     3.37   9.38   2.41   4.45   5.29   3.15   1.87

RESPONSE:  03    AGE:  9       TEXT:  I Don't Know.

    1972-73 P-VALUE         14.32     9.81  19.11  11.16  18.56    15.22  13.42    11.48  28.08  20.34    18.92  19.58  11.28   8.31  19.55    24.88  25.27   7.69  12.31  10.77  17.70  12.85
    1972-73 SE OF P-VAL      1.03     1.73   2.04   1.80   2.72     1.30   1.23     0.98   3.56   6.26     4.29   4.65   1.52   1.08   1.47     4.29   5.25   2.02   2.22   3.33   3.44   1.30
    1972-73 DELTA-P                  -4.51#  4.79# -3.16*  4.24     0.90  -0.90    -2.84# 13.76#  6.02     4.60   5.26  -3.04* -6.01#  5.23#   10.56# 10.95* -6.63# -2.01  -3.55   3.38  -1.47
    1972-73 SE OF DP                  1.61   1.83   1.52   2.30     0.73   0.74     0.70   3.43   5.93     4.03   4.43   1.27   1.02   0.93     4.05   5.19   2.11   2.12   3.07   3.05   1.32

                 AGE: 13

    1972-73 P-VALUE          0.96     0.75   1.24   0.77   1.07     1.27   0.64     0.55   2.72   2.42     1.46   3.11   0.35   0.62   1.61     0.73   4.26   0.00   0.69   0.22   0.73   1.14
    1972-73 SE OF P-VAL      0.21     0.31   0.55   0.38   0.36     0.34   0.20     0.19   0.91   0.62     0.71   1.41   0.20   0.23   0.62     0.44   1.07   0.00   0.48   0.21   0.44   0.48
    1972-73 DELTA-P                  -0.21   0.28  -0.19   0.11     0.31  -0.32    -0.41#  1.76*  1.46*    0.50   2.15  -0.61* -0.34   0.65    -0.23   3.30# -0.96# -0.27  -0.74# -0.23   0.18
    1972-73 SE OF DP                  0.31   0.44   0.34   0.33     0.19   0.19     0.13   0.79   0.62     0.71   1.29   0.25   0.20   0.57     0.45   1.00   0.21   0.46   0.27   0.42   0.37


*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 303072-1239 VB219

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIB.

Part A.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.33	0.42	0.20	0.13	0.55	0.08	0.60	0.15	0.58	1.95	0.00	1.08	0.52	0.00	0.60	1.32	1.43	0.00	0.00	0.38	0.00	0.15
1972-73 SE OF P-VAL	0.13	0.26	0.10	0.14	0.40	0.08	0.24	0.09	0.33	1.33	0.00	1.09	0.31	0.00	0.34	0.89	0.79	0.00	0.00	0.39	0.00	0.11
1972-73 DELTA-P		0.09	-0.09	-0.20	0.22	-0.29*	0.27*	-0.18	0.25	1.62	-0.33#	0.75	0.19	-0.33#	0.27	0.99	1.10	-0.33#	-0.33#	0.05	-0.33#	-0.18
1972-73 SE OF DP		0.23	0.18	0.16	0.31	0.13	0.12	0.11	0.30	1.24	0.13	1.04	0.26	0.13	0.24	0.81	0.73	0.13	0.13	0.36	0.13	0.14
AGE: 13																						
1972-73 P-VALUE	0.14	0.21	0.06	0.17	0.12	0.11	0.17	0.06	0.49	0.41	0.00	0.00	0.36	0.02	0.19	0.00	0.41	0.00	0.46	0.27	0.09	0.03
1972-73 SE OF P-VAL	0.07	0.18	0.06	0.10	0.12	0.08	0.12	0.05	0.37	0.40	0.00	0.00	0.23	0.02	0.20	0.00	0.41	0.00	0.48	0.26	0.05	0.03
1972-73 DELTA-P		0.07	-0.08	0.03	-0.02	-0.03	0.03	-0.08	0.35	0.27	-0.14*	-0.14*	0.22	-0.12	0.05	-0.14*	0.27	-0.14*	0.32	0.13	-0.05	-0.11
1972-73 SE OF DP		0.15	0.08	0.14	0.11	0.07	0.07	0.06	0.33	0.30	0.07	0.07	0.17	0.07	0.10	0.07	0.39	0.07	0.44	0.22	0.10	0.07
AGE: 17																						
1972-73 P-VALUE	0.26	0.40	0.06	0.15	0.44	0.30	0.22	0.18	0.11	1.59	0.41	0.53	0.21	0.05	1.39	0.30	1.23	0.00	0.00	0.56	0.00	0.14
1972-73 SE OF P-VAL	0.10	0.25	0.06	0.15	0.29	0.16	0.13	0.10	0.11	1.03	0.40	0.52	0.18	0.05	0.88	0.30	0.84	0.00	0.06	0.40	0.00	0.09
1972-73 DELTA-P		0.14	-0.20	-0.11	0.18	0.04	-0.04	-0.08	-0.15	1.33	0.15	0.27	-0.05	-0.21*	1.13	0.04	0.97	-0.26#	-0.26#	0.30	-0.26#	-0.12
1972-73 SE OF DP		0.20	0.11	0.14	0.24	0.10	0.10	0.07	0.14	0.90	0.30	0.47	0.15	0.10	0.83	0.28	0.79	0.10	0.10	0.34	0.10	0.12
AGE: AD																						
1972-73 P-VALUE	0.31	0.54	0.35	0.00	0.38	0.21	0.41	0.31	0.00	0.90	0.19	0.00	0.41	0.54	0.00	0.00	0.55	0.69	0.00	1.07	0.00	0.11
1972-73 SE OF P-VAL	0.13	0.40	0.35	0.00	0.19	0.10	0.24	0.16	0.00	0.93	0.19	0.00	0.29	0.40	0.00	0.00	0.55	0.69	0.00	0.88	0.00	0.11
1972-73 DELTA-P		0.23	0.04	-0.31*	0.07	-0.10	0.10	0.00	-0.31*	0.59	-0.12	-0.31*	0.10	0.23	-0.31*	-0.31*	0.24	0.38	-0.31*	0.76	-0.31*	-0.20
1972-73 SE OF DP		0.31	0.30	0.13	0.19	0.14	0.13	0.04	0.13	0.92	0.21	0.13	0.25	0.31	0.13	0.13	0.54	0.61	0.13	0.74	0.13	0.14
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	29.52	25.27	28.03	31.77	33.07	32.64	26.67	30.80	20.59	33.77	21.46	35.08	28.38	32.35	26.83	29.19	21.36	38.26	27.12	32.63	32.76	26.31
1972-73 SE OF P-VAL	1.12	2.35	1.64	2.28	2.70	1.67	1.24	1.26	2.29	4.70	4.58	5.46	2.39	1.96	2.23	4.20	3.41	3.08	3.22	3.29	2.01	1.50
1972-73 DELTA-P		-4.25*	-1.49	2.25	3.55	3.12#	-2.85#	1.28*	-8.93#	4.25	-8.06	5.56	-1.22	2.83	-2.69	-0.33	-8.16#	8.74#	-2.40	3.11	3.24	-3.21*
1972-73 SE OF DP		2.01	1.60	1.93	2.30	0.99	0.92	0.56	2.21	4.40	4.56	5.19	2.07	1.64	1.91	4.02	3.25	3.49	2.07	3.23	2.60	1.33
AGE: 13																						
1972-73 P-VALUE	49.90	45.17	49.63	53.43	50.88	50.25	49.54	52.32	40.45	39.98	51.29	44.68	50.08	52.43	45.07	57.03	37.58	58.14	52.57	41.61	43.31	54.52
1972-73 SE OF P-VAL	1.49	3.01	3.39	3.12	2.11	2.02	1.94	1.54	3.29	5.26	4.99	2.96	2.20	2.12	2.62	4.09	5.14	3.95	5.04	3.77	2.67	2.02
1972-73 DELTA-P		-4.73	-0.27	3.53	0.98	0.35	-0.36	2.42#	-9.45#	-9.92	1.39	-5.22	0.18	2.53	-4.83*	7.13	-12.32*	8.24*	2.67	-8.29*	-6.59*	4.62*
1972-73 SE OF DP		2.65	2.03	2.59	2.11	1.29	1.31	0.70	2.09	5.15	0.38	2.92	1.74	1.36	2.35	3.85	4.94	3.54	4.55	3.40	2.02	1.85
AGE: 17																						
1972-73 P-VALUE	66.94	67.65	66.10	66.94	66.89	68.67	65.20	69.67	52.21	58.58	62.49	63.47	66.37	69.88	59.37	65.85	54.89	72.53	57.22	68.97	67.12	69.64
1972-73 SE OF P-VAL	1.51	2.22	2.67	3.93	2.01	1.88	1.93	1.62	3.36	3.73	3.50	3.41	2.64	2.03	5.46	3.01	5.19	2.98	4.21	3.35	3.13	2.19
1972-73 DELTA-P		0.71	-0.84	0.00	-0.05	1.73	-1.74	2.73#	-14.73#	-8.36*	-4.45	-3.47	-0.57	2.94*	-7.57	-1.09	-12.05#	5.59*	-9.72	2.03	0.18	2.70
1972-73 SE OF DP		2.14	2.52	2.90	2.14	1.10	1.17	0.65	3.04	4.02	3.74	3.65	1.68	1.21	5.42	3.09	5.13	2.74	5.54	2.76	3.14	1.98
AGE: AD																						
1972-73 P-VALUE	80.28	78.34	75.69	82.00	83.96	77.10	83.16	82.23	68.10	73.27	75.37	80.72	80.05	86.93	64.11	81.95	67.17	82.99	78.26	78.67	85.87	81.45
1972-73 SE OF P-VAL	1.11	2.14	2.51	1.94	2.43	1.98	1.23	1.03	3.98	3.87	2.24	2.48	1.99	1.44	9.59	2.60	4.11	3.50	3.36	3.61	3.28	1.41
1972-73 DELTA-P		-1.94	-4.59*	1.72	3.68	-3.10*	2.88*	1.95#	-12.10#	-7.01	-4.91#	0.44	-0.23	6.65#	-16.17	1.67	-13.10#	2.71	-2.02	-1.61	5.59	1.17
1972-73 SE OF DP		1.88	2.29	1.72	2.00	1.27	1.19	0.49	3.52	3.64	1.79	2.39	1.67	1.42	9.25	2.48	3.76	3.18	2.94	3.33	3.48	1.36
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.41	0.92	0.45	0.26	0.00	0.39	0.43	0.52	0.00	0.00	0.00	0.00	0.11	0.59	0.51	0.00	0.00	0.48	1.01	1.41	0.36	0.00
1972-73 SE OF P-VAL	0.15	0.43	0.33	0.25	0.00	0.22	0.22	0.19	0.00	0.00	0.00	0.00	0.11	0.38	0.29	0.00	0.00	0.48	0.70	0.81	0.36	0.00
1972-73 DELTA-P		0.51	0.04	-0.15	-0.41#	-0.02	0.02	0.11#	-0.41#	-0.41#	-0.41#	-0.41#	-0.30*	0.18	0.10	-0.41#	-0.41#	0.07	0.60	1.00	-0.05	-0.41#
1972-73 SE OF DP		0.34	0.27	0.23	0.15	0.17	0.16	0.04	0.15	0.15	0.15	0.15	0.13	0.21	0.25	0.15	0.15	0.44	0.65	0.74	0.34	0.15
AGE: 13																						
1972-73 P-VALUE	4.45	4.39	5.94	3.95	3.53	4.31	4.58	4.51	2.30	7.49	4.28	2.80	2.84	4.96	6.94	2.29	2.05	9.28	4.25	4.00	5.43	3.85
1972-73 SE OF P-VAL	0.59	1.18	1.61	1.05	0.72	0.78	0.86	0.65	1.10	2.69	2.46	1.33	0.81	0.84	1.78	1.04	0.91	2.36	1.48	0.83	1.00	1.05
1972-73 DELTA-P		-0.06	1.49	-0.50	-0.92	-0.14	0.14	0.06	-2.15*	3.04	-0.17	-1.65	-1.61*	0.51	2.49	-2.16*	-2.40#	4.83*	-0.40	-0.45	0.98	-0.60
1972-73 SE OF DP		1.04	1.29	0.93	0.77	0.56	0.57	0.31	1.03	2.50	2.18	1.44	0.75	0.62	1.46	0.94	0.95	2.13	1.45	0.89	0.95	0.77

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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202072-1230  KB219                                                                                                                  KB219  202072-1230
                           NATION |             REGION             |      SEX      |         RACE          |         PARENTAL EDUCATION           |             SIZE-AND-TYPE OF COMMUNITY
                                  | NORTH  SOUTH                   |               |                 OTHER |         SOME    GRAD    POST         |EXTREME  LOW    HIGH   MAIN  URBAN  MEDIUM SMALL
                                  |  EAST   EAST  CENTRAL   WEST   |  MALE  FEMALE | WHITE  BLACK    RACE  | NO HS   HS      HS      HS  UNKNOWN | RURAL  METRO  METRO BIG CITY FRINGE CITY PLACES
EXERCISE: 202072-1230  KB219

This unreleased non-choice exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIB.

Part A.

RESPONSE:  09     AGE: 17         TEXT:  I Don't Know.

    1972-73 P-VALUE        4.65     4.36   3.63   5.52   4.01    6.34   2.95    4.73   3.25   6.30    5.98   3.81   5.34   3.83   7.04    3.19   2.52   3.13   3.82   6.64   3.53   5.77
    1972-73 SE OF P-VAL    0.62     1.25   0.49   1.30   1.47    0.99   0.63    0.74   1.20   2.50    2.96   1.79   0.99   0.73   3.49    1.27   1.16   1.15   1.65   1.59   1.46   1.16
    1972-73 DELTA-P                -0.29  -1.02   0.87   0.16    1.69@ -1.70@   0.08  -1.40   1.65    1.33  -0.84   0.69  -0.82   2.39   -1.46  -2.13  -1.52  -0.83   1.99  -1.12   1.12
    1972-73 SE OF DP                1.06   0.73   1.05   1.27    0.56   0.55    0.30   1.22   2.90    3.05   1.59   0.76   0.62   3.13    1.10   1.18   1.15   1.66   1.30   1.30   0.88

                  AGE: A6

    1972-73 P-VALUE        4.79     4.87   5.51   4.80   4.13    6.90   2.83    4.69   3.61   8.50    6.59   3.53   6.52   1.73   4.42    3.48   6.14   8.57   4.56   3.78   2.27   4.45
    1972-73 SE OF P-VAL    0.66     1.08   1.32   1.05   1.69    1.20   0.50    0.71   1.63   3.12    1.20   1.10   1.76   0.67   2.26    1.12   1.90   3.50   1.02   1.49   0.55   0.63
    1972-73 DELTA-P                 0.08   0.72   0.01  -0.66    2.11@ -1.96@  -0.10  -1.18   3.71    1.80  -1.26   1.73  -3.06@ -0.37   -1.31   1.35   3.78  -0.23  -1.01  -2.52@ -0.34
    1972-73 SE OF DP                1.01   1.21   0.96   1.33    0.64   0.63    0.25   1.54   3.05    1.15   1.12   1.31   0.83   2.33    1.19   1.97   3.11   1.65   1.39   0.83   0.76
EXERCISE: 202072-1230  KB219

Part B.

RESPONSE:  00     AGE:  9         TEXT:  No Response.

    1972-73 P-VALUE        1.20     1.51   1.53   0.16   1.67    1.01   1.38    0.64   2.85   4.20    3.82   0.88   1.13   0.34   2.10    3.80   2.17   0.56   0.43   0.93   1.08   0.92
    1972-73 SE OF P-VAL    0.32     0.57   0.42   0.16   1.11    0.31   0.48    0.16   1.11   3.10    3.04   0.93   0.44   0.23   0.56    2.27   0.93   0.54   0.42   0.53   0.64   0.31
    1972-73 DELTA-P                 0.31   0.33  -1.04@  0.47   -0.19   0.18   -0.56*  1.65   3.00    2.62  -0.32  -0.07  -0.86@  0.90*   2.60   0.97  -0.64  -0.77  -0.27  -0.12  -0.28
    1972-73 SE OF DP                0.52   0.40   0.34   0.86    0.26   0.24    0.27   1.00   2.89    2.83   0.94   0.33   0.32   0.39    2.05   0.87   0.52   0.52   0.55   0.61   0.27

                  AGE: 13

    1972-73 P-VALUE        2.84     2.84   2.55   3.16   3.55    3.73   1.94    1.71   6.30   9.06    3.93   2.75   1.80   1.77   7.80    1.62   8.44   2.14   2.74   3.02   3.39   1.75
    1972-73 SE OF P-VAL    0.38     0.60   0.56   1.06   0.61    0.67   0.40    0.30   1.78   2.01    1.06   1.74   0.53   0.40   1.76    0.80   2.02   1.09   1.34   1.03   0.91   0.46
    1972-73 DELTA-P                -0.00  -0.29   0.32   0.71    0.89* -0.90*  -1.13@  3.46*  6.22*   1.09  -0.09  -1.04@ -1.07*  4.96@  -1.22   5.60* -0.70  -0.10   0.18   0.55  -1.09*
    1972-73 SE OF DP                0.57   0.55   0.82   0.56    0.40   0.41    0.35   1.59   2.71    1.02   1.60   0.54   0.44   1.53    0.81   2.65   1.01   1.36   0.98   0.84   0.40

                  AGE: 17

    1972-73 P-VALUE        2.93     2.38   2.41   4.15   2.42    2.96   2.90    2.62   2.67   7.73    5.15   2.10   3.02   1.96   8.32    1.40   3.89   0.17   5.23   4.62   2.58   2.83
    1972-73 SE OF P-VAL    0.49     0.60   0.81   1.23   0.82    0.51   0.67    0.54   1.13   2.30    2.97   1.50   0.87   0.55   3.40    0.47   1.40   0.16   2.73   1.75   1.31   0.62
    1972-73 DELTA-P                -0.55  -0.52   1.22  -0.51    0.03  -0.03   -0.31  -0.26   4.80*   2.22  -0.83   0.09  -0.97   5.39   -1.53*  0.96  -2.76@  2.30   1.69  -0.35  -0.10
    1972-73 SE OF DP                0.60   0.70   0.90   0.79    0.35   0.35    0.20   1.12   2.19    2.02   1.31   0.74   0.59   3.22    0.62   1.54   0.42   2.40   1.49   1.26   0.63

                  AGE: A6

    1972-73 P-VALUE        1.76     2.31   1.81   1.98   0.96    2.62   0.96    1.52   2.24   4.55    2.50   0.31   2.30   0.89   5.41    1.80   1.75   1.13   1.99   2.66   1.05   1.86
    1972-73 SE OF P-VAL    0.34     0.50   0.60   0.92   0.39    0.57   0.30    0.29   1.00   2.75    0.75   0.31   0.65   0.53   2.03    0.83   0.79   0.43   1.19   1.30   0.47   0.48
    1972-73 DELTA-P                 0.55   0.05   0.22  -0.80    0.86@ -0.80@  -0.24   0.48   2.79    0.74  -1.45@  0.54  -0.87   3.65    0.04  -0.01  -0.63   0.23   0.90  -0.71   0.10
    1972-73 SE OF DP                0.53   0.57   0.70   0.43    0.31   0.29    0.19   0.89   2.61    0.56   0.51   0.48   0.53   2.77    0.84   0.67   0.47   1.08   1.10   0.54   0.41
RESPONSE:  01*    AGE:  9         TEXT:  All Acceptable Responses.

    1972-73 P-VALUE        0.45     0.00   0.52   0.99   0.26    0.69   0.23    0.50   0.00   0.80    0.00   0.00   0.28   0.68   0.40    0.00   0.00   0.62   1.00   0.34   0.64   0.38
    1972-73 SE OF P-VAL    0.19     0.00   0.30   0.59   0.24    0.32   0.15    0.23   0.00   0.78    0.00   0.00   0.29   0.34   0.41    0.00   0.00   0.63   0.68   0.33   0.65   0.36
    1972-73 DELTA-P                -0.45*  0.07   0.54  -0.19    0.24  -0.22    0.05  -0.45*  0.35   -0.45* -0.45* -0.17   0.23  -0.05   -0.45* -0.45*  0.17   0.55  -0.11   0.19  -0.07
    1972-73 SE OF DP                0.19   0.33   0.65   0.26    0.16   0.15    0.07   0.19   0.74    0.19   0.19   0.29   0.20   0.33    0.19   0.19   0.50   0.62   0.34   0.59   0.28

                  AGE: 13

    1972-73 P-VALUE        2.73     2.72   2.55   2.88   2.76    2.50   2.96    3.20   0.73   1.03    1.28   1.97   3.06   3.38   1.45    1.59   0.41   4.60   3.67   1.80   1.35   3.90
    1972-73 SE OF P-VAL    0.37     0.93   0.58   0.67   0.80    0.47   0.56    0.46   0.45   0.68    0.89   1.03   0.70   0.80   0.71    1.00   0.32   1.16   1.11   0.60   0.59   0.81
    1972-73 DELTA-P                -0.01  -0.18   0.15   0.03   -0.23   0.23    0.47@ -2.00@ -1.70*  -1.45  -0.76   0.33   0.65  -1.28   -1.14  -2.32@  1.87   0.94  -0.93  -1.38*  1.17
    1972-73 SE OF DP                0.77   0.53   0.59   0.60    0.37   0.30    0.13   0.52   0.80    0.82   0.90   0.50   0.39   0.66    0.95   0.49   1.10   1.03   0.70   0.61   0.61

                  AGE: 17

    1972-73 P-VALUE        9.31     7.68   8.86  11.14   9.24   12.43   6.16   10.40   3.46   5.86    3.80   4.51   8.51  12.63   3.62    7.42   5.27  12.14   8.30  10.08  11.93   8.63
    1972-73 SE OF P-VAL    0.70     2.00   1.15   1.20   1.05    1.25   0.70    0.83   1.20   2.33    1.41   1.43   1.26   1.11   1.62    1.18   3.04   2.09   2.02   2.37   2.18   1.30
    1972-73 DELTA-P                -1.63  -0.45   1.83  -0.07    3.12@ -3.15@   1.09@ -5.85@ -3.45   -5.51@ -4.80@ -0.80   3.32@ -5.69@  -1.89  -4.04   2.83  -1.01   0.77   2.62  -0.68
    1972-73 SE OF DP                1.55   1.17   1.10   1.30    0.70   0.66    0.25   1.21   2.16    1.61   1.31   0.90   0.50   1.74    1.32   2.90   1.99   2.04   2.09   2.00   1.05


*  The absolute value of this number is greater than 2.0 times its standard error.
@  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 202072-1234 0B219

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIB.

Part B.

	NATION	REGION NORTHEAST	SOUTHEAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: A6 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	23.51	22.05	19.38	24.40	27.24	28.70	18.68	26.62	5.82	5.39	15.80	17.66	25.94	34.01	4.37	20.22	11.27	32.50	20.34	19.84	25.77	25.03
1972-73 SE OF P-VAL	1.13	1.76	2.37	2.32	2.49	1.54	1.37	1.21	1.96	2.63	2.17	2.69	1.93	2.22	2.29	1.73	2.06	3.40	3.69	2.37	4.41	2.06
1972-73 DELTA-P		-1.46	-4.13	0.89	3.73	5.19#	-4.83#	3.11#	-17.69#	-18.12#	-7.71#	-5.85*	2.43	10.50#	-19.16#	-3.29	-12.24#	8.99#	-3.17	-3.67	2.26	1.52
1972-73 SE OF DP		1.69	2.18	1.91	2.03	0.96	0.86	0.41	2.11	2.66	1.65	2.30	1.74	2.01	2.43	1.94	2.09	3.35	3.62	2.51	3.99	1.41
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.09	2.89	3.64	3.44	2.33	2.82	3.34	2.81	4.00	4.41	2.16	1.27	2.21	2.54	5.05	4.19	2.28	3.14	2.40	3.85	3.39	2.78
1972-73 SE OF P-VAL	0.36	0.70	0.72	0.79	0.57	0.53	0.47	0.39	1.28	1.51	1.21	1.03	0.61	0.54	0.93	0.96	1.07	1.07	0.90	1.17	1.06	0.63
1972-73 DELTA-P		-0.20	0.55	0.35	-0.76	-0.27	0.25	-0.28	0.91	1.32	-0.93	-1.82	-0.88	-0.55	1.96#	1.10	-0.81	0.05	-0.69	0.76	0.30	-0.31
1972-73 SE OF DP		0.61	0.62	0.65	0.54	0.37	0.34	0.24	1.15	1.51	1.19	1.06	0.52	0.50	0.78	0.95	1.03	1.03	0.84	1.06	0.99	0.52
AGE: 13																						
1972-73 P-VALUE	6.03	6.33	6.81	4.10	7.00	6.12	5.94	5.60	6.01	10.68	5.42	4.76	5.18	6.22	7.96	3.85	5.74	7.56	4.92	7.12	6.42	5.89
1972-73 SE OF P-VAL	0.64	1.43	1.37	1.04	1.25	0.87	0.87	0.70	1.69	2.07	1.88	1.67	0.92	0.94	1.69	1.75	1.37	2.23	1.56	1.66	1.33	1.10
1972-73 DELTA-P		0.30	0.78	-1.93*	0.97	0.09	-0.09	-0.43	-0.02	4.65*	-0.61	-1.27	-0.85	0.19	1.93	-2.18	-0.29	1.53	-1.11	1.09	0.39	-0.14
1972-73 SE OF DP		1.22	1.17	0.96	1.09	0.59	0.60	0.30	1.55	1.99	1.69	1.64	0.84	0.64	1.65	1.61	1.40	2.02	1.53	1.51	1.25	0.96
AGE: 17																						
1972-73 P-VALUE	3.48	4.37	4.07	1.53	4.51	4.98	1.97	3.49	2.47	5.34	3.88	3.46	3.25	2.83	8.98	3.95	0.98	3.50	2.08	2.97	3.09	4.72
1972-73 SE OF P-VAL	0.57	1.32	0.85	0.65	1.51	1.05	0.48	0.69	0.84	2.02	1.48	1.39	0.90	0.54	3.36	1.30	0.68	1.11	1.02	0.79	1.01	1.26
1972-73 DELTA-P		0.89	0.59	-1.95#	1.03	1.50#	-1.51#	0.01	-1.01	1.86	0.40	-0.02	-0.23	-0.65	5.50	0.47	-2.50#	0.02	-1.40	-0.51	-0.39	1.24
1972-73 SE OF DP		1.04	0.86	0.70	1.26	0.59	0.60	0.23	0.90	2.06	1.49	1.25	0.57	0.50	3.88	1.21	0.84	1.05	1.12	0.87	0.98	0.86
AGE: A6																						
1972-73 P-VALUE	4.58	3.93	5.70	4.61	4.29	5.67	3.57	4.29	5.37	7.51	4.60	5.09	4.97	1.68	17.33	3.88	5.01	6.98	4.05	5.35	2.22	4.33
1972-73 SE OF P-VAL	0.72	0.86	1.24	1.62	1.71	1.36	0.56	0.83	2.02	2.33	1.01	1.66	1.70	0.54	11.02	1.44	1.88	3.61	1.91	3.34	0.80	0.64
1972-73 DELTA-P		-0.65	1.12	0.03	-0.29	1.09	-1.01	-0.29	0.79	2.93	0.02	0.51	0.39	-2.90#	12.75	-0.70	0.43	2.40	-0.53	0.77	-2.36*	-0.25
1972-73 SE OF DP		0.94	1.19	1.30	1.38	0.76	0.73	0.29	2.00	2.39	0.99	1.68	1.31	0.83	10.61	1.50	1.96	3.21	1.01	2.96	1.02	0.79

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202076-3A

72-73 Report #: UP220

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	05-05	01-31
72-73 National P-val: UP220	32.53	23.40
Timing: (in seconds)		
Stimulus:	79	85
Response:	16	*
I don't know:	5	*
Pause:	6	*
UP220 Exercise total:	106	*

*Time not limited by paced tape.

EXERCISE: 202076-34 0P220

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METR
RESPONSE: 00 AGE: 17	TEXT: No Response.																
1972-73 P-VALUE	0.35	0.68	0.57	0.19	0.00	0.46	0.25	0.28	0.54	0.95	0.00	0.00	0.32	0.12	2.83	0.00	0.7
1972-73 SE OF P-VAL	0.15	0.37	0.51	0.19	0.00	0.33	0.16	0.19	0.54	0.99	0.00	0.00	0.33	0.12	1.48	0.00	0.7
1972-73 DELTA-P		0.33	0.22	-0.16	-0.35*	0.11	-0.10	-0.07	0.19	0.60	-0.35*	-0.35*	-0.03	-0.23	2.48	-0.35*	0.4
1972-73 SE OF DP		0.30	0.42	0.20	0.15	0.22	0.19	0.10	0.56	0.94	0.15	0.15	0.25	0.16	1.39	0.15	0.7
AGE: A4																	
1972-73 P-VALUE	0.44	0.45	0.26	0.62	0.37	0.58	0.31	0.52	0.00	0.00	0.19	0.63	0.56	0.34	1.02	1.37	0.5
1972-73 SE OF P-VAL	0.17	0.33	0.20	0.44	0.27	0.29	0.17	0.20	0.00	0.00	0.19	0.63	0.31	0.25	0.98	0.88	0.5
1972-73 DELTA-P		0.01	-0.18	0.18	-0.07	0.14	-0.13	0.08#	-0.44#	-0.44#	-0.25	0.19	0.12	-0.10	0.58	0.93	0.1
1972-73 SE OF DP		0.29	0.22	0.33	0.25	0.17	0.16	0.03	0.17	0.17	0.21	0.53	0.25	0.24	0.96	0.81	0.52
RESPONSE: 04* AGE: 17	TEXT: All Acceptable Responses.																
1972-73 P-VALUE	32.53	31.52	34.96	32.19	32.00	32.64	32.44	32.69	32.05	31.33	29.79	31.55	33.55	33.33	26.61	26.82	32.4
1972-73 SE OF P-VAL	1.26	1.89	2.28	2.85	2.01	1.79	1.44	1.41	3.45	4.58	4.32	4.05	2.13	1.81	4.13	5.91	4.3
1972-73 DELTA-P		-1.01	2.43	-0.34	-0.53	0.11	-0.09	0.16	-0.48	-1.20	-2.74	-0.98	1.02	0.80	-5.92	-5.71	-0.0
1972-73 SE OF DP		1.82	2.18	2.23	2.39	1.09	0.92	0.53	3.34	4.30	3.88	4.06	1.73	1.31	3.09	5.42	3.9
AGE: A4																	
1972-73 P-VALUE	23.40	27.96	18.31	22.65	24.23	27.39	19.69	24.24	18.78	19.29	15.53	23.28	22.81	33.50	14.35	20.89	20.6
1972-73 SE OF P-VAL	1.17	2.81	2.14	2.38	1.73	2.11	1.48	1.28	2.78	5.52	1.81	2.66	1.65	2.54	4.45	4.32	3.1
1972-73 DELTA-P		4.56	-5.09#	-0.75	0.83	3.99#	-3.71#	0.84*	-4.62	-4.11	-7.87#	-0.12	-0.59	10.10#	-9.05	-2.51	-2.7
1972-73 SE OF DP		2.33	1.98	1.95	1.68	1.42	1.33	0.41	2.70	5.35	1.69	2.38	1.35	1.94	4.66	4.05	3.1
RESPONSE: 09 AGE: 17	TEXT: I Don't Know.																
1972-73 P-VALUE	30.36	32.12	26.31	32.40	29.35	28.82	31.67	31.06	26.54	28.83	41.91	22.83	32.83	28.10	32.72	40.64	25.7
1972-73 SE OF P-VAL	1.53	3.56	2.18	2.75	3.29	1.78	2.15	1.78	3.26	2.88	4.69	3.41	2.25	1.88	4.01	7.11	3.6
1972-73 DELTA-P		1.76	-4.05	2.04	-1.01	-1.54	1.31	0.70	-3.82	-1.53	11.55#	-7.53*	2.47	-2.26	2.36	10.28	-4.6
1972-73 SE OF DP		2.90	2.30	2.32	2.83	1.00	1.18	0.56	3.30	2.90	4.14	3.34	1.46	1.26	4.05	6.53	3.7
AGE: A4																	
1972-73 P-VALUE	53.68	50.18	56.26	57.87	50.09	44.81	61.93	53.47	55.89	52.70	65.16	53.56	53.72	39.01	75.21	51.96	53.4
1972-73 SE OF P-VAL	1.26	3.21	2.56	2.09	2.27	2.12	1.61	1.38	3.33	5.60	2.66	2.94	2.19	2.64	5.23	3.82	3.62
1972-73 DELTA-P		-3.50	2.58	4.19*	-3.59	-8.87#	8.25#	-0.21	2.21	-0.98	11.48#	-0.12	0.04	-14.67#	21.53#	-1.72	-0.2
1972-73 SE OF DP		2.64	2.31	1.89	2.01	1.87	1.32	0.48	3.23	5.39	2.21	2.08	1.91	2.32	5.22	3.62	3.5

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

...h PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	REGION SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
...ponse.																				
	0.37	0.19	0.00	0.46	0.25	0.28	0.54	0.95	0.00	0.00	0.32	0.12	2.83	0.00	0.75	0.82	1.42	0.00	0.51	0.00
	0.51	0.19	0.00	0.33	0.16	0.19	0.54	0.99	0.00	0.00	0.33	0.12	1.48	0.00	0.76	0.82	1.26	0.00	0.46	0.00
	0.22	-0.16	-0.35*	0.11	-0.10	-0.07	0.19	0.60	-0.35*	-0.35*	-0.03	-0.23	2.48	-0.35*	0.40	0.47	1.07	-0.35*	0.16	-0.35*
	0.42	0.20	0.15	0.22	0.19	0.10	0.56	0.94	0.15	0.15	0.25	0.16	1.39	0.15	0.76	0.75	1.17	0.15	0.37	0.15
	0.36	0.62	0.37	0.58	0.31	0.52	0.00	0.00	0.19	0.63	0.56	0.34	1.02	1.37	0.54	0.48	0.41	0.00	0.24	0.39
	0.28	0.44	0.27	0.29	0.17	0.20	0.00	0.00	0.19	0.63	0.31	0.45	0.98	0.88	0.54	0.48	0.39	0.00	0.22	0.31
	-0.18	0.18	-0.07	0.14	-0.13	0.00#	-0.44#	-0.44#	-0.25	0.19	0.12	-0.10	0.58	0.93	0.10	0.04	-0.43	-0.44#	-0.20	-0.05
	0.22	0.33	0.25	0.17	0.16	0.03	0.17	0.17	0.21	0.53	0.25	0.24	0.96	0.81	0.52	0.45	0.40	0.17	0.26	0.22
...ceptable Responses.																				
	34.96	32.19	32.00	32.64	32.04	32.69	32.05	31.33	29.79	31.55	33.55	33.33	26.61	26.82	32.47	31.37	30.51	33.32	31.74	33.24
	2.28	2.05	2.01	1.79	1.80	1.41	3.05	4.56	4.32	4.05	2.13	[illegible]	4.13	5.91	4.33	2.59	4.16	3.75	2.50	1.79
	2.43	-0.34	-0.53	0.11	-0.09	0.16	-0.88	-1.20	-2.74	-0.98	1.02	[illegible]	-5.92	-5.71	-0.06	-1.16	5.98	0.79	-0.79	0.71
	2.18	2.23	2.39	1.09	0.92	0.53	3.34	4.30	3.88	4.06	1.73	1.31	3.89	5.42	3.97	2.58	4.04	3.50	2.44	1.46
	18.31	22.65	24.23	27.39	19.69	24.24	18.78	19.29	15.53	23.28	22.81	33.50	14.35	20.89	20.65	30.11	23.45	25.55	20.99	22.53
	2.14	2.38	1.73	2.11	1.40	1.28	2.70	5.52	1.81	2.66	1.65	2.56	4.45	4.32	3.13	2.36	3.23	3.49	4.57	1.75
	-5.09#	-0.75	0.83	3.99#	-3.71#	0.84*	-4.02	-4.11	-7.07#	-0.12	-0.59	10.10#	-9.05	-2.51	-2.75	6.71#	0.05	2.15	-2.41	-0.07
	1.98	1.95	1.60	1.42	1.33	0.41	2.70	5.35	1.69	2.38	1.35	1.94	4.66	4.05	3.13	2.15	3.15	3.21	4.21	1.47
...'t Know.																				
	26.31	32.00	29.35	28.02	31.67	31.06	26.54	20.03	41.91	22.83	32.83	28.10	32.72	40.64	25.72	36.64	26.33	31.35	30.20	27.17
	2.18	2.75	3.29	1.78	2.15	1.78	3.26	2.88	4.69	3.41	2.25	1.88	4.01	7.11	3.60	5.19	4.48	3.40	3.67	2.11
	-4.05	2.04	-1.01	-1.54	1.31	0.70	-3.82	-1.53	11.55#	-7.53*	2.07	-2.26	2.36	10.28	-4.60	6.28	-4.03	6.99	-0.16	-3.19
	2.38	2.32	2.83	1.40	1.18	0.56	3.38	2.90	4.14	3.38	1.46	1.26	4.05	6.53	3.75	4.65	4.51	3.39	3.52	1.75
	56.26	[illegible]	50.09	[illegible]	61.93	53.47	55.89	52.70	65.16	53.56	53.72	35.01	75.21	51.96	53.44	47.05	54.29	51.20	57.61	55.42
	2.56	3.09	2.27	2.12	1.61	1.38	3.33	5.60	2.66	2.94	2.19	2.64	5.23	3.82	3.62	2.99	5.94	4.64	4.37	2.01
	2.58	0.19*	-3.59	-0.87#	0.25#	-0.21	2.21	-0.98	11.48#	-0.12	0.04	-14.67#	21.53#	-1.72	-0.24	-5.83*	0.61	-2.48	3.93	1.74
	2.31	1.89	2.01	1.07	1.32	0.48	3.23	5.39	2.21	2.88	1.91	2.32	5.22	3.62	3.59	2.73	5.53	4.21	4.31	1.80

...ter than 2.0 times its standard error.
...ter than 2.5 times its standard error.

NAEP #: 202077-123

72-73 Report #: UP221

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: B. Understand and apply laws (principles).

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9	13	17IS
72-73 Package-Exercise:	05-26	09-02	04-03
72-73 National P-val:			
UP221	71.93	84.21	95.19

Timing: (in seconds)			
Stimulus:	28	27	26
Response:	21	33	34
I don't know:	5	5	5
Pause:	6	6	6
UP221 Exercise total:	60	71	71

EXERCISE: 202077-123 UP221

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.33	0.00	0.86	0.00	0.46	0.31	0.35	0.30	0.62	0.00	0.00	0.82	0.84	0.33	0.05	0.29	0.00	0.00	0.16	0.34	0.78	0.46
1972-73 SE OF P-VAL	0.15	0.00	0.55	0.00	0.29	0.25	0.17	0.13	0.46	0.00	0.00	0.82	0.44	0.23	0.06	0.31	0.00	0.00	0.16	0.32	0.53	0.38
1972-73 DELTA-P		-0.33*	0.53	-0.33*	0.13	-0.02	0.02	-0.03	0.29	-0.33*	-0.33*	0.49	0.51	0.00	-0.28	-0.04	-0.33*	-0.33*	-0.17	0.01	0.45	0.13
1972-73 SE OF DP		0.15	0.43	0.15	0.26	0.15	0.15	0.06	0.35	0.15	0.15	0.79	0.32	0.14	0.15	0.32	0.15	0.15	0.20	0.32	0.48	0.27
AGE: 13																						
1972-73 P-VALUE	2.79	2.07	4.12	3.53	1.49	2.58	3.02	2.71	4.56	0.87	0.82	5.65	2.80	2.25	3.67	0.17	4.10	2.05	0.62	1.98	5.36	3.70
1972-73 SE OF P-VAL	0.88	1.46	1.84	2.34	1.03	0.73	1.09	0.97	1.80	0.88	0.59	2.97	1.03	1.09	0.95	0.17	2.84	2.05	0.65	1.63	4.60	1.52
1972-73 DELTA-P		-0.72	1.33	0.74	-1.30	-0.21	0.23	-0.08	1.77	-1.92#	-1.97	2.86	0.01	-0.54	0.88	-2.62#	1.31	-0.74	-2.17*	-0.81	2.57	0.91
1972-73 SE OF DP		1.36	1.60	1.84	1.13	0.27	0.29	0.24	1.76	0.70	0.99	2.49	0.57	0.65	0.69	0.89	2.43	1.91	1.06	1.62	4.06	1.23
AGE: 17																						
1972-73 P-VALUE	0.26	0.78	0.23	0.00	0.00	0.25	0.27	0.31	0.00	0.00	0.00	0.00	0.14	0.06	3.22	0.00	0.60	1.36	0.00	0.00	0.00	0.15
1972-73 SE OF P-VAL	0.16	0.55	0.23	0.00	0.00	0.15	0.22	0.19	0.00	0.00	0.00	0.00	0.14	0.06	2.43	0.00	0.60	1.24	0.00	0.06	0.00	0.15
1972-73 DELTA-P		0.52	-0.03	-0.26	-0.26	-0.01	0.01	0.05	-0.26	-0.26	-0.26	-0.26	-0.12	-0.20	2.96	-0.26	0.34	1.10	-0.26	-0.26	-0.26	-0.11
1972-73 SE OF DP		0.40	0.24	0.16	0.16	0.10	0.10	0.03	0.16	0.16	0.16	0.16	0.18	0.16	2.28	0.16	0.57	1.10	0.16	0.16	0.16	0.18
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	71.93	76.41	66.22	72.81	72.32	74.91	68.96	77.97	46.16	62.94	66.79	68.64	73.32	80.36	65.13	66.93	48.34	81.08	68.76	78.28	77.46	72.94
1972-73 SE OF P-VAL	1.14	2.61	2.66	1.78	1.94	1.71	1.81	1.06	3.17	4.27	4.38	5.74	2.54	1.73	2.15	4.37	5.01	2.99	3.61	2.47	2.26	1.98
1972-73 DELTA-P		4.48*	-5.71#	0.88	0.39	2.98*	-2.97*	6.04#	-25.77#	-8.99*	-5.14	-3.29	1.39	8.43#	-6.80#	-5.00	-23.59#	9.15#	-3.17	6.35*	5.53*	1.01
1972-73 SE OF DP		2.16	2.25	1.69	1.77	1.34	1.37	0.86	2.78	3.93	4.16	5.38	2.39	1.62	1.71	4.12	4.79	2.65	3.52	2.59	2.38	1.69
AGE: 13																						
1972-73 P-VALUE	84.21	86.54	80.26	85.64	84.22	83.13	85.38	87.36	65.89	76.53	77.67	79.09	85.67	88.86	74.10	86.41	65.77	90.41	84.18	88.68	80.71	83.98
1972-73 SE OF P-VAL	1.17	2.03	2.20	2.56	2.42	1.51	1.43	1.18	3.34	3.47	3.31	4.11	1.61	1.40	2.21	2.59	4.07	2.41	3.26	2.63	3.81	2.10
1972-73 DELTA-P		2.33	-3.95	1.43	0.01	-1.08	1.17	3.15#	-18.32#	-7.68*	-6.54*	-5.12	1.46	4.65#	-10.11#	2.20	-18.44#	6.20#	-0.03	4.47	-3.50	-0.23
1972-73 SE OF DP		1.86	1.99	2.12	2.04	0.85	0.93	0.51	3.16	3.16	3.02	3.76	1.08	1.03	1.99	2.55	3.95	2.18	3.25	2.49	3.43	1.66
AGE: 17																						
1972-73 P-VALUE	95.19	96.05	91.51	96.15	95.96	94.74	95.65	96.47	86.87	93.11	87.63	91.84	95.58	97.66	86.47	93.18	91.51	97.14	95.08	97.34	95.03	95.01
1972-73 SE OF P-VAL	0.53	1.08	1.67	0.82	0.86	0.80	0.66	0.53	2.28	2.55	2.61	2.06	0.84	0.48	3.49	1.71	1.89	1.53	1.70	1.07	0.87	1.23
1972-73 DELTA-P		0.86	-3.68#	0.96	0.77	-0.45	0.46	1.28#	-8.32#	-2.08	-7.56#	-3.35	0.39	2.47#	-8.72#	-2.01	-3.68*	1.95	-0.11	2.15*	-0.16	-0.18
1972-73 SE OF DP		0.91	1.43	0.74	0.82	0.51	0.52	0.34	2.16	2.47	2.42	2.04	0.58	0.56	3.25	1.74	1.83	1.43	1.62	1.04	0.91	0.96
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	6.71	6.36	8.62	5.76	6.15	6.21	7.21	5.70	9.47	11.40	5.51	8.75	6.64	2.58	10.13	8.62	7.32	3.85	9.87	5.85	4.54	6.98
1972-73 SE OF P-VAL	0.58	1.09	1.33	0.88	1.19	0.80	0.76	0.57	1.68	2.27	1.78	2.70	1.27	0.55	1.04	1.00	1.36	[illegible]	1.05	2.07	1.20	1.07
1972-73 DELTA-P		-0.35	1.91	-0.95	-0.56	-0.50	0.50	-1.01#	2.76	4.69*	-1.20	2.04	-0.07	-4.13#	3.42#	1.51	0.61	-2.86*	[illegible]	-0.86	-2.17	0.27
1972-73 SE OF DP		0.98	1.10	0.84	1.01	0.52	0.52	0.34	1.42	2.04	1.69	2.63	1.17	0.55	0.72	1.61	1.34	1.23	[illegible]	[illegible]	1.19	0.79
AGE: 13																						
1972-73 P-VALUE	5.02	3.32	6.12	4.46	6.16	5.36	4.65	3.77	10.23	11.82	11.17	4.94	4.83	2.67	9.06	5.74	16.87	2.89	5.03	2.39	5.12	4.52
1972-73 SE OF P-VAL	0.53	0.88	1.15	1.23	1.12	0.81	0.60	0.53	1.97	2.16	1.78	1.35	0.86	0.56	1.55	1.57	3.52	1.45	1.77	1.03	1.46	0.69
1972-73 DELTA-P		-1.70#	1.10	-0.56	1.14	0.34	-0.37	-1.25#	5.21#	6.80#	6.15#	-0.08	-0.19	-2.35#	4.04#	0.72	11.85#	-2.13	0.01	-2.63#	0.10	-0.50
1972-73 SE OF DP		0.63	0.99	1.00	0.94	0.47	0.51	0.30	1.81	2.07	1.68	1.41	0.63	0.50	1.28	1.49	3.38	1.32	1.75	0.99	1.33	0.63
AGE: 17																						
1972-73 P-VALUE	1.17	0.85	2.55	0.59	1.17	1.41	0.92	0.75	4.44	0.51	0.97	2.26	0.81	0.96	3.26	1.48	2.64	0.68	0.41	0.58	1.42	1.27
1972-73 SE OF P-VAL	0.23	0.31	0.88	0.26	0.41	0.37	0.22	0.18	1.15	0.48	0.95	0.92	0.29	0.27	1.66	0.83	0.97	0.50	0.35	0.33	0.63	0.50
1972-73 DELTA-P		-0.32	1.38	-0.58*	0.00	0.24	-0.25	-0.42#	3.27#	-0.66	-0.20	1.09	-0.36	-0.21	2.09	0.31	1.47	-0.49	-0.76*	-0.59	0.25	0.10
1972-73 SE OF DP		0.31	0.73	0.28	0.38	0.21	0.21	0.16	1.02	0.51	0.87	0.89	0.22	0.24	1.57	0.81	0.92	0.50	0.35	0.35	0.57	0.40

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202079-1

72-73 Report #: UP222
69-70 Report #: U637

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	03-27
69-70 Package-Exercise:	05-03

72-73 National P-val:

UP222	56.70

69-70 National P-value:

UP222	57.63

Timing: (in seconds)

	Stimulus:	13
	Response:	36
	I don't know:	5
	Pause:	6
UP222	Exercise total:	60

EXERCISE: 202079-1 UP222

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.21	0.53	0.15	0.19	0.00	0.34	0.07	0.17	0.49	0.00	0.00	0.00	0.45	0.00	0.30	0.00	0.00	0.00	0.54	0.23	0.84	0.08
1969-70 P-VALUE	0.12	0.27	0.00	0.00	0.23	0.14	0.10	0.12	0.09	0.23	0.00	0.00	0.17	0.00	0.22	0.00	0.52	0.00	0.00	0.00	0.42	0.12
CHANGE P-VALUE	0.09	0.26	0.15	0.19	-0.23	0.20	-0.03	0.05	0.40	-0.23	0.00	0.00	0.28	0.00	0.08	0.00	-0.52	0.00	0.54	0.23	0.42	-0.04
1972-73 SE OF P-VAL	0.12	0.43	0.15	0.20	0.00	0.22	0.07	0.13	0.38	0.00	0.00	0.00	0.45	0.00	0.18	0.00	0.00	0.00	0.52	0.23	0.82	0.09
1969-70 SE OF P-VAL	0.07	0.18	0.00	0.00	0.22	0.09	0.10	0.08	0.09	0.23	0.00	0.00	0.16	0.00	0.15	0.00	0.37	0.00	0.00	0.00	0.41	0.12
SE OF CHANGE P-VALUE	0.14	0.47	0.15	0.20	0.22	0.24	0.12	0.15	0.39	0.23	0.00	0.00	0.48	0.00	0.23	0.00	0.37	0.00	0.52	0.23	0.92	0.15
1972-73 DELTA-P		0.32	-0.06	-0.02	-0.21	0.13	-0.14	-0.04	0.28	-0.21	-0.21	-0.21	0.24	-0.21	0.09	-0.21	-0.21	-0.21	0.33	0.02	0.63	-0.13
1969-70 DELTA-P		0.15	-0.12	-0.12	0.11	0.02	-0.02	0.00	-0.03	0.11	-0.12	-0.12	0.05	-0.12	0.10	-0.12	0.40	-0.12	-0.12	-0.12	0.30	0.00
CHANGE DELTA-P		0.17	0.06	0.10	-0.32	0.11	-0.12	-0.04	0.31	-0.32	-0.09	-0.09	0.19	-0.09	-0.01	-0.09	-0.61	-0.09	0.45	0.14	0.33	-0.13
1972-73 SE OF DP		0.34	0.16	0.18	0.12	0.11	0.12	0.06	0.33	0.12	0.12	0.12	0.36	0.12	0.15	0.12	0.12	0.12	0.47	0.23	0.73	0.12
1969-70 SE OF DP		0.15	0.07	0.07	0.17	0.07	0.07	0.02	0.10	0.22	0.07	0.07	0.14	0.07	0.11	0.07	0.36	0.07	0.07	0.07	0.36	0.10
SE OF CHANGE DELTA-P		0.37	0.17	0.19	0.21	0.13	0.14	0.06	0.34	0.25	0.14	0.14	0.39	0.14	0.19	0.14	0.38	0.14	0.48	0.24	0.81	0.16
RESPONSE: 04* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	56.70	55.04	57.24	56.78	57.64	59.73	53.46	58.69	48.66	49.91	50.63	53.80	57.56	61.23	53.66	66.79	46.27	54.55	54.36	53.87	55.48	59.54
1969-70 P-VALUE	57.63	57.53	51.24	60.75	59.53	61.53	53.86	58.84	49.96	58.33	47.31	47.59	58.50	59.28	58.52	62.59	50.90	57.54	57.17	64.95	53.95	55.97
CHANGE P-VALUE	-0.93	-2.49	6.00	-3.97	-1.89	-1.80	-0.40	-0.15	-1.30	-8.42	3.32	6.21	-0.94	1.95	-4.86	4.20	-4.63	-2.99	-2.81	-11.08#	1.53	3.57
1972-73 SE OF P-VAL	1.29	2.92	2.27	2.78	2.19	1.58	1.78	1.33	3.57	3.81	6.79	5.91	2.28	2.82	1.93	3.97	4.77	5.82	3.80	2.81	4.26	1.59
1969-70 SE OF P-VAL	1.52	2.26	2.60	3.80	2.32	2.15	1.93	1.85	3.62	2.86	6.12	6.14	2.97	2.64	2.28	3.88	3.76	4.46	3.29	3.36	2.46	2.98
SE OF CHANGE P-VALUE	1.99	3.69	3.45	4.68	3.19	2.64	2.60	2.28	5.08	4.76	9.14	8.52	3.74	3.86	2.99	5.55	6.09	7.33	5.03	4.38	4.92	3.38
1972-73 DELTA-P		-1.66	0.54	0.08	0.94	3.03#	-3.24#	1.99#	-8.04*	-6.79	-6.07	-2.90	0.86	4.53	-3.04	10.09#	-10.43*	-2.15	-2.34	-2.83	-1.22	2.84*
1969-70 DELTA-P		-0.10	-6.39#	3.12	1.90	3.90#	-3.77#	1.21	-7.67*	0.70	-10.32	-10.04	0.87	1.65	0.89	4.96	-6.73	-0.09	-0.46	7.32*	-3.68	-1.66
CHANGE DELTA-P		-1.56	6.93*	-3.04	-0.96	-0.87	0.53	0.78	-0.37	-7.49	4.25	7.14	-0.01	2.88	-3.93	5.13	-3.70	-2.06	-1.88	-10.15*	2.46	4.50
1972-73 SE OF DP		2.49	2.12	2.23	1.97	0.99	1.09	0.68	3.22	3.58	6.60	5.74	1.92	2.29	1.75	3.78	4.54	5.43	3.79	2.81	3.84	1.39
1969-70 SE OF DP		2.22	2.44	2.82	2.29	1.38	1.38	0.68	3.49	3.38	6.16	5.75	2.58	1.85	1.93	3.71	3.88	4.07	3.25	3.24	2.63	2.20
SE OF CHANGE DELTA-P		3.34	3.23	3.60	3.02	1.70	1.73	0.96	4.75	4.89	9.03	8.12	3.22	2.94	2.61	5.30	5.97	6.79	4.95	4.29	4.65	2.60
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	3.64	2.66	4.76	2.10	5.21	2.73	4.61	2.86	7.77	4.02	4.25	6.57	1.85	1.45	5.99	1.81	6.32	2.19	2.19	4.93	3.21	3.99
1969-70 P-VALUE	4.92	3.91	6.73	4.64	4.68	4.78	5.06	3.70	12.48	4.59	11.01	4.01	4.21	3.07	6.33	5.59	9.89	1.82	6.47	3.19	6.12	5.07
CHANGE P-VALUE	-1.28	-1.25	-1.97	-2.54	0.53	-2.05	-0.45	-0.84	-4.71	-0.57	-6.76	2.56	-2.36*	-1.62	-0.34	-3.78	-3.57	0.37	-4.28*	1.74	-2.91	-1.08
1972-73 SE OF P-VAL	0.45	0.73	0.80	0.67	1.14	0.45	0.93	0.49	1.36	1.71	2.13	2.17	0.73	0.51	1.06	1.08	2.12	0.90	0.96	1.31	0.93	0.83
1969-70 SE OF P-VAL	0.63	0.83	1.50	1.29	1.18	0.93	0.77	0.65	2.02	1.43	5.14	1.71	0.90	1.17	0.99	2.23	2.25	0.80	1.72	1.15	1.66	1.11
SE OF CHANGE P-VALUE	0.77	1.11	1.70	1.45	1.64	1.03	1.21	0.81	2.44	2.23	5.56	2.76	1.16	1.28	1.45	2.48	3.09	1.20	1.97	1.74	1.90	1.39
1972-73 DELTA-P		-0.98	1.12	-1.54*	1.57	-0.91	0.97	-0.78#	4.13#	0.38	0.61	2.93	-1.79*	-2.19#	2.35#	-1.83	2.68	-1.45	-1.45	1.29	-0.43	0.35
1969-70 DELTA-P		-1.01	1.81	-0.28	-0.24	-0.14	0.14	-1.22#	7.56#	-0.33	6.09	-0.91	-0.71	-1.85*	1.41	0.67	4.97*	-3.10#	1.55	-1.73	1.20	0.15
CHANGE DELTA-P		0.03	-0.69	-1.26	1.81	-0.77	0.83	0.44	-3.43	0.71	-5.48	3.84	-1.08	-0.34	0.94	-2.50	-2.29	1.65	-3.00	3.02	-1.63	0.20
1972-73 SE OF DP		0.70	0.76	0.63	0.87	0.53	0.58	0.27	1.22	1.64	2.09	2.13	0.76	0.59	0.74	1.16	1.99	0.81	0.97	1.18	0.98	0.63
1969-70 SE OF DP		0.85	1.28	1.02	1.07	0.59	0.57	0.39	1.84	1.51	4.93	1.78	0.88	0.91	0.81	2.03	2.24	0.92	1.58	1.11	1.54	0.82
SE OF CHANGE DELTA-P		1.10	1.49	1.20	1.38	0.79	0.81	0.47	2.21	2.23	5.35	2.78	1.16	1.08	1.10	2.34	3.00	1.23	1.85	1.62	1.83	1.03

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* The absolute value of this number is greater than 2.0 times its standard error.

# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202082-234

72-73 Report #: UP223
69-70 Report #: U745, U831

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	02-28	01-19	03-30
69-70 Package-Exercise:	02-07	09-11	
72-73 National P-val:			
UP223	22.36	30.93	25.64
69-70 National P-value:			
UP223	24.92	34.03	
Timing: (in seconds)			
Stimulus:	25	24	28
Response:	25	25	*
I don't know:	5	5	*
Pause:	6	6	*
UP223 Exercise total:	61	60	*

*Time not limited by paced tape.

EXERCISE: 202082-234 UP223

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.00	0.17	0.15	0.74	2.88	1.17	0.83	0.93	1.87	0.00	1.46	1.57	0.92	0.52	1.90	1.24	0.34	0.00	0.34	4.72	0.61	0.05
1969-70 P-VALUE	0.05	0.21	-0.01	-0.01	-0.01	0.04	0.06	-0.01	0.19	0.46	-0.01	-0.01	0.07	-0.01	0.43	-0.01	0.34	-0.01	0.31	-0.01	-0.01	-0.01
CHANGE P-VALUE	0.95*	-0.04	0.16	0.75	2.89	1.13	0.77	0.94	1.68	-0.46	1.47	1.58	0.85	0.53*	1.47	1.25	0.00	0.01	0.03	4.73	0.62	0.06
1972-73 SE OF P-VAL	0.46	0.17	0.11	0.52	1.79	0.63	0.83	0.55	1.33	0.00	0.97	1.01	0.54	0.24	1.48	1.24	0.35	0.00	0.35	2.94	0.51	0.05
1969-70 SE OF P-VAL	0.04	0.16	0.00	0.00	0.00	0.05	0.07	0.00	0.20	0.48	0.00	0.00	0.08	0.00	0.43	0.00	0.34	0.00	0.31	0.00	0.06	0.00
SE OF CHANGE P-VALUE	0.46	0.23	0.11	0.52	1.79	0.63	0.84	0.55	1.34	0.48	0.97	1.01	0.55	0.24	1.54	1.24	0.49	0.00	0.47	2.94	0.51	0.05
1972-73 DELTA-P		-0.83	-0.85	-0.26	1.88	0.17	-0.17	-0.07	0.87	-1.00*	0.46	0.57	-0.08	-0.48	0.90	0.24	-0.66	-1.00*	-0.66	3.72	-0.39	-0.95*
1969-70 DELTA-P		0.16	-0.06	-0.06	-0.06	-0.01	0.01	-0.06	0.14	0.81	-0.06	-0.06	0.02	-0.06	0.38	-0.06	0.29	-0.06	0.26	-0.06	-0.06	-0.06
CHANGE DELTA-P		-0.99*	-0.79	-0.20	1.94	0.18	-0.18	-0.01	0.73	-1.81*	0.52	0.63	-0.10	-0.42	0.52	0.30	-0.95	-0.94*	-0.92	3.78	-0.33	-0.89
1972-73 SE OF DP		0.48	0.47	0.57	1.37	0.27	0.27	0.21	1.27	0.46	0.65	0.75	0.23	0.54	1.05	1.20	0.56	0.46	0.55	2.53	0.64	0.46
1969-70 SE OF DP		0.12	0.08	0.04	0.04	0.04	0.04	0.04	0.18	0.44	0.04	0.04	0.07	0.04	0.40	0.04	0.32	0.04	0.28	0.04	0.04	0.04
SE OF CHANGE DELTA-P		0.49	0.47	0.57	1.37	0.27	0.27	0.21	1.28	0.64	0.65	0.75	0.24	0.54	1.12	1.20	0.64	0.46	0.62	2.53	0.64	0.46
AGE: 17																						
1972-73 P-VALUE	0.47	1.12	0.00	0.00	0.61	0.63	0.31	0.08	3.08	1.35	0.92	0.00	0.37	0.25	2.96	0.00	3.39	0.23	0.63	0.41	0.34	0.12
1969-70 P-VALUE	0.08	0.00	0.22	0.13	0.00	0.09	0.07	0.05	0.32	0.00	0.00	0.29	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.13
CHANGE P-VALUE	0.39*	1.12*	-0.22	-0.13	0.61	0.54	0.24	0.03	2.76*	1.35	0.92	-0.29	0.25	0.25	2.96	0.00	3.39	0.23	0.63	0.41	0.12	-0.01
1972-73 SE OF P-VAL	0.17	0.55	0.00	0.00	0.31	0.28	0.14	0.06	1.12	0.86	0.93	0.00	0.22	0.15	1.91	0.00	1.97	0.23	0.67	0.42	0.34	0.12
1969-70 SE OF P-VAL	0.05	0.00	0.22	0.12	0.00	0.08	0.07	0.04	0.32	0.00	0.00	0.28	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.13
SE OF CHANGE P-VALUE	0.18	0.55	0.22	0.12	0.31	0.29	0.16	0.07	1.16	0.86	0.93	0.28	0.25	0.15	1.91	0.00	1.97	0.23	0.67	0.42	0.40	0.18
1972-73 DELTA-P		0.65	-0.47#	-0.47#	0.14	0.16	-0.16	-0.39#	2.61#	0.88	0.85	-0.47#	-0.10	-0.22	2.49	-0.47#	2.92	-0.24	0.16	-0.06	-0.13	-0.35
1969-70 DELTA-P		-0.08	0.14	0.05	-0.08	0.01	-0.01	-0.03	0.24	-0.08	-0.08	0.21	0.04	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	0.14	0.05
CHANGE DELTA-P		0.73	-0.61*	-0.52#	0.22	0.15	-0.15	-0.36*	2.37*	0.96	0.93	-0.68*	-0.14	-0.14	2.57	-0.39*	3.00	-0.16	0.24	0.02	-0.27	-0.40*
1972-73 SE OF DP		0.41	0.17	0.17	0.27	0.15	0.14	0.15	0.98	0.78	0.95	0.17	0.20	0.15	1.00	0.17	1.07	0.20	0.69	0.36	0.34	0.18
1969-70 SE OF DP		0.05	0.19	0.09	0.05	0.06	0.05	0.04	0.29	0.05	0.05	0.24	0.09	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.18	0.09
SE OF CHANGE DELTA-P		0.41	0.25	0.19	0.27	0.16	0.15	0.16	1.02	0.78	0.95	0.29	0.22	0.16	1.00	0.18	1.07	0.21	0.69	0.36	0.38	0.20
AGE: AD																						
1972-73 P-VALUE	0.33	1.36	0.00	0.00	0.00	0.60	0.08	0.00	3.16	0.00	0.00	0.26	0.93	0.00	0.00	0.00	3.42	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.29	1.19	0.00	0.00	0.00	0.59	0.08	0.00	2.66	0.00	0.00	0.26	0.92	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		1.03	-0.33	-0.33	-0.33	0.27	-0.25	-0.33	2.83	-0.33	-0.33	-0.07	0.60	-0.33	-0.33	-0.33	3.10	-0.33	-0.33	-0.33	-0.33	-0.33
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.31	0.29	0.29	2.37	0.29	0.29	0.36	0.63	0.29	0.29	0.29	2.64	0.29	0.29	0.29	0.29	0.29
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	22.36	21.58	23.83	22.26	21.90	24.66	20.10	24.37	12.95	16.21	15.05	17.01	23.37	26.22	16.40	28.06	9.22	22.38	21.03	21.12	18.06	25.95
1969-70 P-VALUE	24.92	25.06	24.40	25.66	24.35	29.30	21.25	26.66	17.42	17.86	24.78	21.75	19.93	29.45	18.57	22.65	20.68	25.53	20.18	25.28	28.13	25.66
CHANGE P-VALUE	-2.56	-3.48	-0.57	-3.40	-2.45	-4.64	-1.15	-2.29	-4.47	-1.65	-9.73	-4.74	3.44	-3.23	-2.17	5.41	-11.46*	-3.15	0.85	-4.16	-10.07*	0.29
1972-73 SE OF P-VAL	1.30	2.05	3.01	2.76	2.49	1.34	1.88	1.46	2.01	3.55	2.69	3.35	2.13	2.00	2.58	3.42	1.88	2.84	3.03	3.59	2.45	2.77
1969-70 SE OF P-VAL	1.39	3.15	3.13	2.52	2.37	2.13	1.51	1.54	2.35	3.11	5.21	4.27	1.89	2.08	3.47	2.65	4.74	3.41	3.12	4.13	3.22	2.49
SE OF CHANGE P-VALUE	1.90	3.76	4.34	3.74	3.44	2.52	2.41	2.12	3.09	4.72	5.86	5.43	2.85	2.89	4.32	4.33	5.10	4.44	4.35	5.47	4.05	3.72
1972-73 DELTA-P		-0.78	1.47	-0.10	-0.46	2.30*	-2.26*	2.01#	-9.41#	-6.15	-7.31#	-5.35	1.01	3.86#	-5.96#	5.70	-13.14#	0.02	-1.33	-1.24	-4.30	3.59
1969-70 DELTA-P		0.14	-0.52	0.74	-0.57	4.38#	-3.67#	1.74#	-7.50#	-7.06*	-0.14	-3.17	-4.99#	4.53#	-6.35	-2.27	-4.24	0.61	-4.74	0.36	3.21	0.74
CHANGE DELTA-P		-0.92	1.99	-0.84	0.11	-2.08	1.41	0.27	-1.91	0.91	-7.17	-2.18	6.00*	-0.67	0.39	7.97	-8.90	-0.59	3.41	-1.60	-7.51*	2.85
1972-73 SE OF DP		1.96	2.59	2.23	2.20	1.01	0.95	0.47	1.94	3.46	2.85	3.00	1.75	1.29	2.36	3.24	2.15	2.05	2.05	3.34	2.45	2.08
1969-70 SE OF DP		2.59	2.79	2.16	2.17	1.25	1.13	0.49	2.23	3.01	5.53	3.70	1.04	1.21	3.52	2.68	4.48	3.19	3.07	3.87	2.79	1.96
SE OF CHANGE DELTA-P		3.25	3.81	3.10	3.09	1.61	1.50	0.68	2.96	4.60	6.22	4.76	2.54	1.77	4.24	4.20	4.97	4.28	4.19	5.11	3.71	2.83

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 202082-234 UP223

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	30.93	32.55	30.68	28.09	32.19	34.57	27.40	32.85	15.33	31.04	27.89	21.89	30.61	34.61	22.76	29.77	17.80	34.73	24.31	30.50	27.83	34.80
1969-70 P-VALUE	34.03	32.15	[illegible]	36.04	35.57	40.41	28.23	34.97	28.67	30.07	33.21	27.43	31.30	37.90	29.78	31.77	[illegible]	42.20	30.90	29.42	35.10	35.56
CHANGE P-VALUE	-3.10	0.40	0.16	-7.95*	-3.38	-5.84	-0.83	-2.12	-13.34#	0.97	-5.32	-5.54	-0.69	-3.29	-7.02	-2.00	-12.26	-7.47	-6.59*	1.08	-7.27	-0.76
1972-73 SE OF P-VAL	1.76	3.65	2.57	2.38	4.39	2.52	1.02	1.05	2.05	6.05	4.53	2.99	2.42	2.62	4.18	6.66	2.07	3.57	2.51	4.90	2.32	3.11
1969-70 SE OF P-VAL	1.42	3.13	2.08	2.91	2.14	1.61	2.00	1.64	2.26	5.75	4.04	3.12	2.14	1.98	8.03	2.30	5.46	5.07	1.98	3.71	4.10	2.82
SE OF CHANGE P-VALUE	2.26	4.81	[illegible]	3.76	4.88	3.10	2.70	2.47	3.05	8.35	6.63	4.32	3.23	3.28	9.05	7.07	6.17	6.20	3.20	6.15	4.71	4.20
1972-73 DELTA-P		1.62	-0.25	-2.84	1.26	3.64#	-3.53#	1.92#	-15.60#	0.11	-3.04	-9.04#	-0.32	3.68#	-8.17	-1.16	-13.13#	3.80	-6.62*	-0.43	-3.10	3.87
1969-70 DELTA-P		-1.88	-3.51	2.01	1.54	6.38#	-5.80#	0.94*	-5.36*	-3.96	-0.82	-6.60#	-2.73	3.87#	-4.25	-2.26	-3.97	8.17	-3.13	-4.61	1.07	1.53
CHANGE DELTA-P		3.50	3.26	-4.85	-0.28	-2.74	2.27	0.98	-10.24#	4.07	-2.22	-2.44	2.41	-0.19	-3.92	1.10	-9.16	-4.37	-3.49	4.18	-4.17	2.34
1972-73 SE OF DP		2.99	2.65	[illegible]	3.47	1.33	1.35	0.46	2.56	5.42	4.34	3.14	1.85	1.30	8.83	6.59	[illegible]	3.59	2.92	4.64	2.54	1.95
1969-70 SE OF DP		2.66	2.73	[illegible]	2.03	1.33	1.24	0.43	2.43	5.81	4.98	2.53	1.67	1.30	8.10	2.64	5.19	4.74	2.14	3.72	3.68	2.26
SE OF CHANGE DELTA-P		4.00	3.80	[illegible]	4.02	1.88	1.83	0.63	3.53	7.95	6.61	4.03	2.49	1.84	9.43	7.10	6.02	5.95	3.62	5.95	4.47	2.90
AGE: AD																						
1972-73 P-VALUE	25.64	26.46	19.66	25.69	29.45	36.17	15.86	28.68	9.13	11.20	16.70	20.12	27.12	38.82	4.24	20.56	15.28	34.98	27.00	32.62	25.99	23.42
1972-73 SE OF P-VAL	1.67	2.52	2.43	3.23	2.97	2.20	1.63	1.62	1.09	2.71	3.30	3.15	4.71	2.32	2.50	6.13	3.70	4.95	4.10	3.12	3.10	2.01
1972-73 DELTA-P		0.82	-5.98#	0.05	3.81	10.53#	-9.78#	3.04#	-16.51#	-14.44#	-8.94#	-5.52	1.48	13.18#	-21.40#	-5.08	-10.36#	9.34*	1.36	6.98#	0.35	-2.22
1972-73 SE OF DP		2.33	2.37	2.58	2.47	1.22	1.16	0.47	2.08	3.06	1.88	3.11	1.99	1.97	2.65	3.92	3.47	4.28	3.97	2.78	3.14	1.69
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	11.41	8.25	12.36	11.38	13.67	9.14	13.64	9.71	20.14	14.86	12.88	12.32	11.71	7.91	18.95	6.69	17.08	11.43	14.13	13.50	12.41	9.38
1969-70 P-VALUE	9.75	9.71	11.42	8.05	10.37	8.75	10.80	9.38	13.46	7.86	13.75	11.82	10.23	8.01	14.41	10.46	14.13	5.18	6.65	11.63	12.70	8.87
CHANGE P-VALUE	1.66	-1.46	0.94	3.33	3.30	0.39	2.84	0.33	6.68*	7.00	-0.87	0.50	1.48	-0.10	4.54	-3.77	2.95	6.25	7.48#	1.87	-0.29	0.51
1972-73 SE OF P-VAL	0.89	1.45	1.91	2.04	1.42	0.93	1.16	0.92	2.22	2.87	2.71	2.85	1.43	0.92	2.35	1.92	2.99	3.07	2.40	3.39	3.58	1.38
1969-70 SE OF P-VAL	0.94	2.56	1.92	1.27	1.47	1.19	1.32	1.08	2.17	3.26	4.49	2.29	1.63	1.21	2.35	2.78	3.08	1.60	1.57	1.85	3.11	1.59
SE OF CHANGE P-VALUE	1.29	3.03	2.71	2.40	2.04	1.51	1.76	1.43	3.10	4.34	5.24	3.66	2.17	1.52	3.32	3.38	4.24	3.46	2.87	3.86	4.74	2.11
1972-73 DELTA-P		-3.16*	0.95	-0.03	2.26	-2.27#	2.23#	-1.70#	8.73#	3.45	1.47	0.91	0.30	-3.50#	7.54#	-4.72#	5.67	0.02	2.72	2.09	1.00	-2.03
1969-70 DELTA-P		-0.04	1.67	-1.70	0.62	-1.00	1.05	-0.37	3.71	-1.89	4.00	2.07	0.48	-1.74*	4.66	0.71	4.38	-4.57#	-3.10	1.88	2.95	-0.88
CHANGE DELTA-P		-3.12	-0.72	1.67	1.64	-1.27	1.18	-1.33*	5.02	5.34	-2.53	-1.16	-0.18	-1.76	2.88	-5.43	1.29	4.59	5.82*	0.21	-1.95	-1.15
1972-73 SE OF DP		1.34	1.68	1.61	1.34	0.58	0.57	0.42	2.06	2.66	2.62	2.53	1.23	0.66	1.93	1.83	2.86	2.70	2.26	3.29	3.53	1.09
1969-70 SE OF DP		2.06	1.75	1.27	1.41	0.86	0.79	0.42	2.10	3.19	4.30	2.17	1.38	0.70	2.35	2.76	2.90	1.66	1.66	1.82	2.61	1.32
SE OF CHANGE DELTA-P		2.46	2.43	2.05	1.95	1.04	0.97	0.59	2.94	4.15	5.04	3.33	1.85	0.96	3.04	3.31	4.07	3.24	2.80	3.76	4.39	1.71
AGE: 17																						
1972-73 P-VALUE	8.32	8.73	7.76	9.72	6.98	7.40	9.21	7.41	14.26	10.77	6.72	10.92	9.88	5.99	15.99	10.45	12.59	4.73	11.46	8.90	7.63	7.71
1969-70 P-VALUE	5.19	4.75	5.71	5.85	4.48	4.66	5.67	4.97	7.56	2.09	3.73	7.72	5.65	4.30	6.20	3.25	7.14	6.08	6.12	1.71	7.72	4.12
CHANGE P-VALUE	3.13#	3.98#	2.05	3.87*	2.50	2.74*	3.54#	2.44#	6.70*	8.68#	2.99	3.20	4.23*	1.69	9.79	7.20	5.45	-1.35	5.34	7.19#	-0.09	3.59#
1972-73 SE OF P-VAL	0.73	1.29	1.28	1.71	1.40	0.93	1.03	0.80	2.48	2.32	1.89	2.24	1.38	1.16	4.75	3.81	2.90	1.32	2.62	1.81	2.32	1.05
1969-70 SE OF P-VAL	0.50	0.87	1.46	0.84	1.09	0.81	0.92	0.54	1.64	1.90	1.89	1.72	1.08	0.77	4.36	1.31	2.05	1.85	1.75	0.83	1.87	0.88
SE OF CHANGE P-VALUE	0.88	1.56	1.94	1.91	1.77	1.23	1.38	0.97	2.97	3.00	2.67	2.82	1.75	1.39	6.45	4.03	3.55	2.27	3.15	1.99	2.98	1.37
1972-73 DELTA-P		0.41	-0.56	1.40	-1.34	-0.92	0.89	-0.91*	5.94#	2.45	-1.60	2.60	1.56	-2.33#	7.67	2.13	4.27	-3.59#	3.14	0.58	-0.69	-0.61
1969-70 DELTA-P		-0.44	0.52	0.66	-0.71	-0.53	0.48	-0.22	2.37	-3.10	-1.46	2.53	0.46	-0.89	1.01	-1.94	1.95	0.89	0.93	-3.48#	2.53	-1.07
CHANGE DELTA-P		0.85	-1.08	0.74	-0.63	-0.39	0.41	-0.69	3.57	5.55	-0.14	0.07	1.10	-1.44	6.66	4.07	2.32	-4.48*	2.21	4.06*	-3.22	0.46
1972-73 SE OF DP		1.13	1.23	1.39	1.19	0.66	0.66	0.41	2.35	2.23	1.93	2.22	1.20	0.89	4.61	3.66	2.65	1.32	2.52	1.64	2.19	0.90
1969-70 SE OF DP		0.79	1.30	0.73	0.92	0.74	0.69	0.24	1.51	1.93	1.98	1.54	0.94	0.64	4.30	1.31	1.92	1.76	1.50	0.86	1.73	0.94
SE OF CHANGE DELTA-P		1.38	1.79	1.57	1.50	0.99	0.95	0.48	2.79	2.95	2.77	2.70	1.52	1.10	6.30	3.89	3.30	2.20	2.97	1.85	2.79	1.30
AGE: AD																						
1972-73 P-VALUE	16.52	16.40	20.66	14.31	15.78	10.50	22.11	13.97	32.44	24.93	22.85	17.20	13.19	10.55	43.10	16.00	24.94	12.57	16.52	9.56	17.80	17.68
1972-73 SE OF P-VAL	0.92	1.66	2.22	[illegible]	1.09	1.17	1.37	0.98	3.74	3.93	2.35	2.40	1.42	1.65	7.35	2.97	4.01	2.30	2.39	1.70	2.94	1.58
1972-73 DELTA-P		-0.12	4.14*	-2.21	-0.74	-6.02#	5.59#	-2.55#	15.92#	8.41*	6.33#	0.68	-3.33#	-5.97#	26.58#	-0.52	8.42*	-3.95	0.00	-6.96#	1.28	1.16
1972-73 SE OF DP		1.50	1.94	1.45	1.50	0.90	0.87	0.62	3.49	3.87	1.87	2.33	1.33	1.59	7.17	2.98	3.69	2.23	2.43	1.70	2.78	1.22

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 202086-3

72-73 Report #: UP224
69-70 Report #: U833

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 17IS
72-73 Package-Exercise: 02-20
69-70 Package-Exercise: 01-05

72-73 National P-val:
UP224 25.50
69-70 National P-value:
UP224 29.32

Timing: (in seconds)
Stimulus: 20
Response: 14
I don't know: 5
Pause: 6
UP224 Exercise total: 45

EXERCISE: 202006-3 UP224

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	1.22	1.23	3.03	0.74	0.18	1.57	0.92	0.05	3.93	0.00	0.62	3.14	0.44	0.92	3.98	1.11	0.47	0.47	14.35	0.00	0.60	0.43
1969-70 P-VALUE	0.04	0.15	0.00	0.00	0.00	0.00	0.08	0.05	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
CHANGE P-VALUE	1.18	1.08#	3.03	0.74	0.18	1.57	0.84*	0.00	3.93	0.00	0.62	3.14	0.44	0.84	3.98*	1.11	0.47	0.47	14.35	0.00	0.60	0.31
1972-73 SE OF P-VAL	0.63	0.42	2.96	0.43	0.18	1.01	0.38	0.41	2.29	0.00	0.62	2.95	0.27	0.44	1.89	1.01	0.30	0.46	9.02	0.00	0.42	0.21
1969-70 SE OF P-VAL	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
SE OF CHANGE P-VALUE	0.63	0.42	2.96	0.43	0.18	1.01	0.38	0.41	2.29	0.00	0.62	2.95	0.27	0.44	1.89	1.01	0.30	0.46	9.02	0.00	0.42	0.21
1972-73 DELTA-P		0.01	1.81	-0.48	-1.04	0.35	-0.30	-0.37	2.71	-1.22	-0.60	1.92	-0.78	-0.30	2.76	-0.11	-0.75	-0.75	13.13	-1.22	-0.62	-0.79
1969-70 DELTA-P		0.11#	-0.04	-0.04	-0.04	-0.04	0.04	0.01	-0.04	-0.04	-0.04	-0.04	-0.04	0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.08#
CHANGE DELTA-P		-0.10	1.85	-0.44	-1.00	0.39	-0.34	-0.38	2.75	-1.18	-0.56	1.96	-0.74	-0.34	2.80	-0.07	-0.71	-0.71	13.17	-1.18	-0.58	-0.87
1972-73 SE OF DP		0.69	2.36	0.69	0.65	0.42	0.36	0.26	1.70	0.63	0.85	2.35	0.40	0.34	1.90	1.13	0.66	0.75	8.43	0.63	0.74	0.64
1969-70 SE OF DP		0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
SE OF CHANGE DELTA-P		0.69	2.36	0.69	0.65	0.42	0.36	0.26	1.70	0.63	0.85	2.35	0.40	0.34	1.90	1.13	0.66	0.75	8.43	0.63	0.74	0.64
RESPONSE: 05* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	25.50	29.56	22.80	23.82	25.07	30.11	21.55	26.99	18.32	21.92	21.59	18.76	21.58	32.15	16.74	14.74	21.22	33.92	23.53	27.34	22.47	26.7[illegible]
1969-70 P-VALUE	29.32	29.65	26.07	28.41	32.30	31.85	26.73	30.68	16.08	27.81	22.43	21.31	27.77	33.80	17.70	31.94	23.76	34.06	29.71	34.88	27.73	[illegible]
CHANGE P-VALUE	-3.82*	-0.09	-3.27	-4.59	-7.23*	-1.74	-5.18*	-3.69	2.24	-5.89	-0.84	-2.55	-6.19*	-1.65	-0.96	-17.20#	-2.54	-0.14	-6.18	-7.54	-5.26	0.60
1972-73 SE OF P-VAL	1.28	2.23	1.93	3.24	2.21	1.77	1.37	1.51	2.65	4.30	3.51	3.33	1.96	1.96	2.85	2.43	3.02	4.70	5.07	3.27	3.44	[illegible]
1969-70 SE OF P-VAL	1.30	3.47	1.82	2.14	2.21	1.73	2.01	1.41	3.44	3.89	3.65	2.95	2.22	2.16	10.46	4.98	4.80	6.66	3.47	4.47	2.58	[illegible]
SE OF CHANGE P-VALUE	1.82	4.12	2.65	3.88	3.13	2.48	2.43	2.07	4.34	5.80	5.06	4.45	2.96	2.92	10.84	5.54	5.67	8.15	6.14	5.54	4.30	[illegible]
1972-73 DELTA-P		4.06*	-2.70	-1.68	-0.43	4.61#	-3.95#	1.49*	-7.18#	-3.58	-3.91	-6.74*	-3.92*	6.65#	-8.76#	-10.76#	-4.28	8.42	-1.97	1.84	-3.03	1.24
1969-70 DELTA-P		0.33	-3.25	-0.91	2.98	2.53	-2.59	1.36#	-13.24#	-1.51	-6.89	-8.01#	-1.55	4.48#	-11.62	2.62	-5.56	4.74	0.39	5.56	-1.59	-3.18
CHANGE DELTA-P		3.73	0.55	-0.77	-3.41	2.08	-1.36	0.13	6.06	-2.07	2.98	1.27	-2.37	2.17	2.86	-13.38*	1.28	3.68	-2.36	-3.72	-1.44	4.42
1972-73 SE OF DP		1.97	1.97	2.49	2.06	1.02	0.93	0.62	2.64	4.28	3.43	2.90	1.72	1.35	2.86	2.60	2.57	4.39	4.93	3.07	3.51	1.81
1969-70 SE OF DP		2.75	1.93	1.83	2.00	1.32	1.35	0.42	3.53	3.87	3.86	2.78	1.86	1.56	10.45	4.65	4.62	5.96	3.36	4.28	2.94	1.69
SE OF CHANGE DELTA-P		3.38	2.76	3.09	2.87	1.67	1.64	0.75	4.41	5.78	5.16	4.02	2.53	2.06	10.83	5.37	5.49	7.40	5.97	5.27	4.58	2.48
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	15.83	15.66	16.12	17.05	14.31	10.88	20.07	15.31	16.13	22.02	27.45	15.26	18.83	12.23	14.11	19.68	16.49	8.13	16.98	16.77	10.55	18.14
1969-70 P-VALUE	12.37	12.46	14.54	11.38	12.11	8.16	16.67	12.30	14.12	10.66	11.60	13.17	12.00	12.49	12.75	10.55	12.22	12.26	12.67	8.97	15.11	12.89
CHANGE P-VALUE	3.46#	3.20	1.58	5.67*	2.20	2.72	3.40	3.01*	2.01	11.36*	15.85#	2.09	6.83#	-0.26	1.36	9.13*	4.27	-4.13	4.31	7.80	-4.56	5.25#
1972-73 SE OF P-VAL	0.97	2.22	1.38	1.99	1.76	1.30	1.35	1.09	1.91	3.34	3.69	2.02	1.97	1.27	2.43	3.39	2.40	3.24	3.14	3.01	1.87	1.53
1969-70 SE OF P-VAL	0.86	0.94	1.75	1.95	1.74	0.90	1.47	0.95	2.17	3.58	3.90	2.41	1.30	1.32	10.38	2.97	1.92	2.53	2.54	3.18	2.03	1.27
SE OF CHANGE P-VALUE	1.30	2.41	2.23	2.79	2.47	1.58	2.00	1.45	2.89	4.90	5.37	3.14	2.36	1.83	10.66	4.51	3.07	4.11	4.04	4.38	2.76	1.99
1972-73 DELTA-P		-0.17	0.29	1.22	-1.52	-4.95#	4.24#	-0.52	0.30	6.19	11.62#	-0.57	3.00*	-3.60#	-1.72	3.85	0.66	-7.70*	1.15	0.94	-5.28*	2.31
1969-70 DELTA-P		0.09	2.17	-0.99	-0.26	-4.21#	4.30#	-0.07	1.75	-1.71	-0.77	0.80	-0.37	0.12	0.38	-1.82	-0.15	-0.11	0.30	-3.40	2.74	0.52
CHANGE DELTA-P		-0.26	-1.88	2.21	-1.26	-0.74	-0.06	-0.45	-1.45	7.90	12.39*	-1.37	3.37	-3.72*	-2.10	5.67	0.81	-7.59	0.85	4.34	-8.02#	1.79
1972-73 SE OF DP		1.77	1.44	1.65	1.60	0.96	0.90	0.41	1.84	3.26	3.44	1.86	1.45	1.17	2.33	3.21	2.27	3.10	3.18	2.75	1.92	1.24
1969-70 SE OF DP		1.08	1.67	1.44	1.50	0.90	0.87	0.30	2.18	3.53	3.71	2.21	1.10	1.00	10.21	2.61	1.96	2.38	2.39	2.99	1.98	1.15
SE OF CHANGE DELTA-P		2.07	2.21	2.19	2.19	1.32	1.25	0.51	2.85	4.81	5.06	2.89	1.82	1.54	10.47	4.14	3.00	3.91	3.98	4.06	2.76	1.69

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 3.5 times its standard error.

NAEP #: 202095-24

72-73 Report #: UP225
69-70 Report #: U752

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: B. Understand and apply laws (principles).

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	Adult
72-73 Package-Exercise:	09-23	03-08
69-70 Package-Exercise:	01-03	
72-73 National P-val:		
UP225	63.89	81.35
69-70 National P-value:		
UP225	72.23	

Timing: (in seconds)

		13	Adult
	Stimulus:	33	34
	Response:	32	*
	I don't know:	5	*
	Pause:	6	*
UP225	Exercise total:	76	*

*Time not limited by paced tape.

EXERCISE: 202095-24 UP225

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.87	0.08	3.07	0.45	0.00	0.96	0.77	1.02	0.32	0.00	0.84	0.00	1.57	0.28	1.48	0.09	0.45	0.00	0.30	0.14	0.84	2.00
1969-70 P-VALUE	0.07	0.08	0.13	0.08	-0.01	0.11	0.03	0.06	0.15	-0.01	0.22	0.28	0.04	0.05	-0.01	0.10	-0.01	-0.01	0.48	-0.01	-0.01	0.04
CHANGE P-VALUE	0.80	0.00	2.94	0.37	0.01	0.85	0.74	0.96	0.17	0.01	0.62	-0.28	1.53	0.23	1.49	-0.01	0.46	0.01	-0.18	0.15	0.85	1.96
1972-73 SE OF P-VAL	0.68	0.08	2.81	0.27	0.00	0.67	0.70	0.83	0.25	0.00	0.33	0.00	1.28	0.28	0.88	0.09	0.44	0.00	0.36	0.14	0.56	1.99
1969-70 SE OF P-VAL	0.04	0.09	0.10	0.09	0.00	0.07	0.03	0.04	0.11	0.00	0.24	0.29	0.05	0.06	0.00	0.12	0.00	0.00	0.34	0.00	0.00	0.05
SE OF CHANGE P-VALUE	0.68	0.12	2.81	0.28	0.00	0.67	0.70	0.83	0.27	0.00	0.86	0.29	1.28	0.29	0.88	0.15	0.44	0.00	0.45	0.14	0.56	1.99
1972-73 DELTA-P		-0.79	2.20	-0.42	-0.87	0.09	-0.10	0.15	-0.55	-0.87	-0.03	-0.87	0.70	-0.59	0.61	-0.78	-0.42	-0.87	-0.57	-0.73	-0.03	1.13
1969-70 DELTA-P		0.01	0.06	0.01	-0.08*	0.04	-0.04	-0.01	0.08	-0.08*	0.15	0.21	-0.03	-0.02	-0.08*	0.03	-0.08*	-0.08*	0.41	-0.08*	-0.08*	-0.03
CHANGE DELTA-P		-0.80	2.14	-0.43	-0.79	0.05	-0.06	0.16	-0.63	-0.79	-0.18	-1.08	0.73	-0.57	0.69	-0.81	-0.34	-0.79	-0.98	-0.65	0.05	1.16
1972-73 SE OF DP		0.68	2.14	0.70	0.68	0.09	0.10	0.15	0.71	0.68	0.19	0.68	0.62	0.40	0.37	0.68	0.80	0.68	0.73	0.69	0.83	1.33
1969-70 SE OF DP		0.07	0.09	0.07	0.04	0.04	0.04	0.02	0.10	0.04	0.23	0.26	0.05	0.04	0.04	0.11	0.04	0.04	0.31	0.04	0.04	0.05
SE OF CHANGE DELTA-P		0.68	2.14	0.70	0.68	0.10	0.11	0.15	0.72	0.68	0.30	0.73	0.62	0.40	0.37	0.69	0.80	0.68	0.79	0.69	0.83	1.33
AGE: AD																						
1972-73 P-VALUE	0.29	1.19	0.00	0.00	0.00	0.60	0.00	0.00	2.76	0.00	0.00	0.00	0.93	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.05
1972-73 SE OF P-VAL	0.29	1.18	0.00	0.00	0.00	0.59	0.00	0.00	2.66	0.00	0.00	0.00	0.92	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.90	-0.29	-0.29	-0.29	0.31	-0.29	-0.29	2.47	-0.29	-0.29	-0.29	0.64	-0.29	-0.29	-0.29	2.71	-0.29	-0.29	-0.29	-0.29	-0.29
1972-73 SE OF DP		0.90	0.29	0.29	0.29	0.30	0.29	0.29	2.38	0.29	0.29	0.29	0.63	0.29	0.29	0.29	2.62	0.29	0.29	0.29	0.29	0.29
RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	63.89	71.44	55.10	68.05	60.75	69.12	58.22	69.15	33.09	51.44	54.23	54.60	63.26	72.73	50.23	66.81	42.64	75.82	57.76	60.34	62.85	66.24
1969-70 P-VALUE	72.23	69.27	64.52	80.66	71.64	75.48	68.78	78.57	45.24	60.19	54.02	68.09	71.25	81.29	50.08	65.22	41.74	76.70	71.59	76.61	75.42	77.59
CHANGE P-VALUE	-8.34#	2.17	-9.42*	-12.61#	-10.89#	-6.36*	-10.56#	-9.42#	-12.15	-8.75	0.21	-13.49#	-7.99#	-8.56#	0.15	1.59	0.90	-0.88	-13.83*	-16.27#	-12.57*	-11.35#
1972-73 SE OF P-VAL	1.50	3.20	3.30	3.18	2.64	1.87	1.78	1.68	2.67	4.18	3.80	3.57	2.39	1.78	3.21	5.54	5.07	3.27	4.55	3.63	3.92	3.00
1969-70 SE OF P-VAL	2.00	5.77	2.82	2.59	2.62	2.36	2.38	1.45	6.02	3.82	5.13	3.31	1.79	1.50	9.73	5.63	11.41	3.58	3.73	3.16	3.96	2.81
SE OF CHANGE P-VALUE	2.55	6.60	4.21	4.07	3.72	3.01	2.97	2.22	7.32	5.34	6.38	4.87	2.99	2.33	10.25	7.90	12.49	4.82	5.88	4.81	5.57	4.11
1972-73 DELTA-P		7.55#	-8.79#	4.16	-3.14	5.23#	-5.67#	5.26#	-30.00#	-12.45#	-9.66*	-9.29#	-0.63	8.84#	-13.66#	2.92	-21.25#	11.93#	-6.13	-3.55	-1.04	2.35
1969-70 DELTA-P		-2.96	-7.71#	8.43#	-0.59	3.25#	-3.45#	6.34#	-26.99#	-12.04#	-10.21#	-4.14	-0.98	9.06#	-22.15#	-7.01	-30.49#	4.47	-0.68	4.38	3.19	5.36
CHANGE DELTA-P		10.51*	-1.08	-4.27	-2.55	1.98	-2.22	-1.08	-3.01	-0.41	0.55	-5.15	0.35	-0.22	8.49	9.93	9.24	7.46	-5.45	-7.93	-4.23	-3.01
1972-73 SE OF DP		2.71	2.91	2.67	2.41	0.86	1.00	0.80	2.61	4.00	3.93	3.34	1.54	1.29	2.51	5.10	5.34	3.31	4.50	3.40	3.63	2.33
1969-70 SE OF DP		4.35	2.84	2.48	2.72	1.23	1.30	1.78	5.43	3.77	4.85	3.29	2.24	1.62	8.15	5.74	10.63	2.87	3.81	3.43	4.61	2.90
SE OF CHANGE DELTA-P		5.13	4.07	3.64	3.63	1.50	1.64	1.95	6.02	5.50	6.24	4.69	2.72	2.07	8.53	7.68	11.36	4.38	5.90	4.83	5.41	3.72
AGE: AD																						
1972-73 P-VALUE	81.35	81.87	78.15	79.96	84.82	88.66	74.56	85.75	54.48	65.73	72.41	76.79	83.45	92.71	63.63	85.97	63.15	86.25	81.73	86.78	81.07	81.56
1972-73 SE OF P-VAL	1.30	2.38	2.97	2.69	2.37	1.52	1.75	1.08	3.85	6.01	2.42	2.94	1.97	1.43	6.77	3.38	5.05	2.78	2.97	3.47	3.70	1.94
1972-73 DELTA-P		0.52	-3.20	-1.39	3.47	7.31#	-6.79#	4.40#	-26.87#	-15.62#	-8.94#	-4.56	2.10	11.36#	-17.72#	4.62	-18.20#	4.90	0.38	5.43	-0.28	0.21
1972-73 SE OF DP		2.15	2.66	2.20	2.05	1.08	1.03	0.73	3.53	5.60	1.85	2.72	1.61	1.42	6.50	3.22	4.63	2.61	2.78	3.07	3.72	1.66
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	7.66	6.11	8.04	8.26	8.15	5.98	9.48	6.83	12.39	9.90	5.45	11.10	8.19	4.75	13.77	4.68	12.99	3.52	10.59	11.78	9.33	5.88
1969-70 P-VALUE	3.19	2.96	5.04	2.28	3.04	2.58	3.83	2.47	5.46	7.30	5.10	4.18	3.45	2.38	4.01	5.30	2.72	2.08	3.46	4.43	3.67	2.27
CHANGE P-VALUE	4.47#	3.15*	3.00	5.98#	5.11#	3.40#	5.65#	4.36#	6.93#	2.60	0.35	6.92*	4.74#	2.37#	9.76#	-0.62	10.27#	1.44	7.13#	7.35#	5.66*	3.61#
1972-73 SE OF P-VAL	0.75	1.38	1.47	1.40	1.70	0.76	1.19	0.77	1.88	2.71	1.56	2.60	1.19	0.73	2.52	1.99	3.95	1.48	1.95	1.95	2.13	1.20
1969-70 SE OF P-VAL	0.36	0.67	0.96	0.62	0.73	0.53	0.59	0.39	1.08	2.41	2.01	1.34	0.78	0.53	1.16	1.57	0.98	1.01	1.17	1.17	1.03	0.55
SE OF CHANGE P-VALUE	0.83	1.53	1.76	1.53	1.85	0.93	1.33	0.86	2.17	3.63	2.54	2.92	1.42	0.90	2.77	2.53	4.07	1.79	2.27	2.27	2.37	1.32
1972-73 DELTA-P		-1.55	0.38	0.60	0.49	-1.68#	1.82#	-0.83#	4.73#	2.24	-2.21	3.44	0.53	-2.91#	6.11#	-2.98	5.33	-4.14#	2.93	4.12*	1.67	-1.78
1969-70 DELTA-P		-0.23	1.85*	-0.91	-0.15	-0.61	0.64	-0.72#	2.27*	4.11	1.91	0.99	0.26	-0.81	0.82	2.11	-0.47	-1.11	0.27	1.24	0.48	-0.92
CHANGE DELTA-P		-1.32	-1.47	1.51	0.64	-1.07	1.18	-0.11	2.46	-1.87	-4.12	2.45	0.27	-2.10#	5.29*	-5.09*	5.80	-3.03	2.66	2.88	1.19	-0.86
1972-73 SE OF DP		1.24	1.30	1.23	1.40	0.59	0.68	0.31	1.70	2.50	1.61	2.52	0.87	0.69	2.11	2.01	3.82	1.43	1.83	1.84	1.89	1.02
1969-70 SE OF DP		0.59	0.83	0.54	0.64	0.41	0.43	0.26	1.01	2.31	1.94	1.29	0.65	0.44	1.13	1.51	0.92	0.95	1.11	1.08	0.92	0.51
SE OF CHANGE DELTA-P		1.37	1.54	1.34	1.54	0.72	0.80	0.40	1.98	3.40	2.52	2.83	1.09	0.82	2.39	2.51	3.91	1.72	2.14	2.13	2.10	1.14

* The absolute value of this number is greater than 2.0 times its standard error.

# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 202095-24 UP225

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.52	6.26	9.03	7.16	7.87	3.71	11.06	6.19	14.02	15.08	13.19	9.07	5.94	1.51	18.36	4.60	11.84	3.91	11.42	5.11	5.34	8.80
1972-73 SE OF P-VAL	0.67	0.84	1.52	1.37	1.51	0.63	1.06	0.65	1.92	3.20	1.51	1.93	1.13	0.44	5.09	1.20	1.92	1.59	3.02	1.40	1.37	1.10
1972-73 DELTA-P		-1.26	1.51	-0.36	0.35	-3.81#	3.54#	-1.33#	6.50#	7.56#	5.67#	1.55	-1.58	-6.01#	10.84	-2.92*	4.32*	-3.61*	3.90	-2.41	-2.18	1.28
1972-73 SE OF DP		0.90	1.35	1.12	1.23	0.59	0.57	0.28	1.86	2.93	1.22	1.65	1.06	0.73	5.08	1.18	1.85	1.58	2.83	1.41	1.34	0.87

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 203002-12

72-73 Report #: UP226

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: C. Understand and apply conceptual schemes.

Science Type: Physical science

Exercise Type: Multiple choice using drawings

Scoring Type: Machine

Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	01-14	01-11
72-73 National P-val:		
UP226	55.83	85.91

Timing: (in seconds)

		9	13
	Stimulus:	24	24
	Response:	36	36
	I don't know:	5	5
	Pause:	6	6
UP226	Exercise total:	71	71

EXERCISE: 203002-12 UP226

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.33	0.26	0.00	0.34	0.68	0.44	0.22	0.12	1.78	0.00	0.00	0.00	0.83	0.00	0.40	0.00	3.48	0.00	0.00	0.00	0.22	0.18
1972-73 SE OF P-VAL	0.19	0.20	0.00	0.26	0.68	0.29	0.13	0.08	1.27	0.00	0.00	0.00	0.82	0.00	0.21	0.00	2.55	0.00	0.00	0.00	0.21	0.19
1972-73 DELTA-P		-0.07	-0.33	0.01	0.35	0.11	-0.11	-0.21	1.45	-0.33	-0.33	-0.33	0.50	-0.33	0.07	-0.33	3.15	-0.33	-0.33	-0.33	-0.11	-0.15
1972-73 SE OF DP		0.24	0.19	0.26	0.51	0.12	0.12	0.18	1.09	0.19	0.19	0.19	0.65	0.19	0.21	0.19	2.38	0.19	0.19	0.19	0.26	0.22
AGE: 13																						
1972-73 P-VALUE	0.05	0.09	0.00	0.00	0.13	0.10	0.00	0.03	0.17	0.00	0.00	0.00	0.00	0.07	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.04	0.10	0.00	0.00	0.13	0.08	0.00	0.04	0.18	0.00	0.00	0.00	0.00	0.08	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.14
1972-73 DELTA-P		0.04	-0.05	-0.05	0.08	0.05	-0.05	-0.02	0.12	-0.05	-0.05	-0.05	-0.05	0.02	0.10	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	0.13
1972-73 SE OF DP		0.08	0.04	0.04	0.10	0.08	0.04	0.02	0.16	0.04	0.04	0.04	0.04	0.05	0.13	0.04	0.04	0.04	0.04	0.04	0.04	0.10
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	55.83	59.74	49.35	58.23	55.14	57.92	53.72	60.92	33.74	42.53	49.71	53.54	57.13	61.55	51.87	48.85	35.94	66.61	55.63	58.65	56.19	56.23
1972-73 SE OF P-VAL	1.27	2.35	2.94	2.38	2.27	1.94	1.81	1.32	2.61	3.88	5.50	5.13	2.46	1.84	1.90	4.38	3.47	3.87	4.15	2.60	3.08	2.32
1972-73 DELTA-P		3.91	-6.48#	2.40	-0.69	2.09	-2.11	5.09#	-22.09#	-13.30#	-6.12	-2.29	1.30	5.72#	-3.96#	-6.98	-19.89#	10.78#	-0.20	2.82	0.36	0.40
1972-73 SE OF DP		2.05	2.52	2.04	2.08	1.36	1.40	0.66	2.92	3.70	5.06	5.10	2.14	1.48	1.27	4.30	3.49	3.73	4.04	2.71	2.75	1.76
AGE: 13																						
1972-73 P-VALUE	85.91	88.97	80.46	88.05	84.71	88.22	83.51	90.21	75.14	72.57	76.67	84.08	89.08	89.59	75.57	84.77	68.26	92.52	84.04	89.86	84.48	86.27
1972-73 SE OF P-VAL	0.94	1.82	1.90	1.39	2.50	1.15	1.31	0.76	2.79	4.59	3.82	2.53	1.58	1.15	2.10	4.35	4.62	1.48	2.78	2.21	1.52	1.42
1972-73 DELTA-P		3.06	-5.45#	2.14	-1.20	2.31#	-2.40#	4.30#	-10.77#	-13.34#	-9.24#	-1.83	3.17#	3.68#	-10.34#	-1.14	-17.65#	6.61#	-1.87	3.95	-1.43	0.36
1972-73 SE OF DP		1.58	1.75	1.29	2.04	0.88	0.83	0.78	2.64	4.18	3.58	2.53	1.25	0.97	1.84	4.01	4.60	1.68	2.53	2.05	1.48	1.26
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	5.84	6.37	5.16	6.07	5.67	5.24	6.45	5.66	6.05	7.25	8.29	5.32	5.47	3.24	7.74	8.00	8.05	5.70	6.40	5.22	4.15	5.71
1972-73 SE OF P-VAL	0.52	1.18	0.80	0.71	1.34	0.78	0.86	0.58	1.44	2.00	2.54	2.64	1.07	0.86	0.77	2.54	2.22	1.33	1.53	1.39	1.18	0.80
1972-73 DELTA-P		0.53	-0.68	0.23	-0.17	-0.60	0.61	-0.18	0.21	1.41	2.45	-0.52	-0.37	-2.60#	1.90#	2.16	2.21	-0.14	0.56	-0.62	-1.69	-0.13
1972-73 SE OF DP		0.98	0.79	0.72	1.00	0.63	0.64	0.27	1.38	1.83	2.57	2.54	0.92	0.63	0.63	2.32	2.16	1.20	1.39	1.38	1.17	0.72
AGE: 13																						
1972-73 P-VALUE	1.56	1.07	1.27	2.23	1.46	1.31	1.82	1.26	2.71	2.79	1.70	1.28	0.45	1.44	4.04	1.51	0.85	1.07	2.92	1.22	2.65	0.93
1972-73 SP OF P-VAL	0.34	0.50	0.57	0.87	0.47	0.42	0.54	0.36	0.99	1.39	1.42	1.06	0.24	0.48	1.20	1.16	0.75	0.56	1.08	0.70	1.22	0.42
1972-73 DELTA-P		-0.49	-0.29	0.67	-0.10	-0.25	0.26	-0.30	1.15	1.23	0.14	-0.28	-1.11#	-0.12	2.48*	-0.05	-0.71	-0.49	1.36	-0.34	1.09	-0.63
1972-73 SE OF DP		0.49	0.56	0.63	0.49	0.33	0.34	0.19	0.85	1.31	1.40	0.91	0.36	0.35	1.11	1.09	0.78	0.60	0.90	0.59	1.09	0.45

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 203003-123

72-73 Report #: UP227

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: C. Understand and apply conceptual schemes.

Science Type: Physical science

Exercise Type: Short answer
Scoring Type: Professional
Administration Mode: Individual for age 9/Group at other ages

Age:	9	13	17IS
72-73 Package-Exercise:	08-04	05-17	10-12
72-73 National P-val:			
UP227	.48	3.66	8.70
Timing: (in seconds)			
Stimulus:	*	37	36
Response:	*	53	53
UP227 Exercise total:	*	90	89

*Time not limited by paced tape.

EXERCISE: 203003-123 0P227

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.89	1.55	3.42	1.39	1.32	1.26	2.54	1.59	2.53	4.12	4.59	0.00	2.20	1.65	1.85	4.92	2.35	0.99	0.40	1.38	2.45	1.80
1972-73 SE OF P-VAL	0.37	0.62	1.05	0.49	0.67	0.40	0.57	0.39	0.78	2.27	2.08	0.00	0.70	0.59	0.62	1.82	0.96	0.66	0.35	0.99	1.46	0.66
1972-73 DELTA-P		-0.34	1.53	-0.50	-0.57	-0.63	0.65	-0.30	0.64	2.23	2.70	-1.89#	0.31	-0.24	-0.04	3.03	0.46	-0.90	-1.49#	-0.51	0.56	-0.09
1972-73 SE OF DP		0.57	0.84	0.49	0.61	0.33	0.33	0.20	0.73	2.16	2.03	0.37	0.56	0.42	0.56	1.76	0.95	0.68	0.50	0.92	1.33	0.53
AGE: 13																						
1972-73 P-VALUE	1.86	1.01	1.44	1.78	2.73	2.86	0.85	1.53	3.96	2.12	2.42	3.34	1.49	1.21	3.52	1.66	4.60	0.86	1.10	1.93	2.56	1.59
1972-73 SE OF P-VAL	0.40	0.50	0.52	0.88	0.95	0.69	0.25	0.30	1.32	1.00	1.17	1.69	0.54	0.45	1.42	0.83	2.08	0.52	0.44	1.18	1.06	0.56
1972-73 DELTA-P		-0.85	-0.42	-0.08	0.87	1.00#	-1.01#	-0.33	2.10	0.26	0.56	1.48	-0.37	-0.65	1.66	-0.20	2.74	-1.00	-0.76	0.07	0.70	-0.27
1972-73 SE OF DP		0.54	0.56	0.68	0.77	0.36	0.33	0.18	1.13	1.01	1.13	1.05	0.43	0.33	1.24	0.81	1.95	0.58	0.56	1.01	0.96	0.51
AGE: 17																						
1972-73 P-VALUE	2.03	2.59	2.79	1.16	1.82	2.57	1.54	1.48	6.14	0.53	3.18	2.09	2.15	1.37	4.87	2.53	4.98	1.67	3.67	1.12	1.59	1.68
1972-73 SE OF P-VAL	0.34	0.91	0.72	0.40	0.75	0.55	0.40	0.31	1.58	0.55	1.65	0.92	0.49	0.43	1.61	1.06	2.26	0.98	1.54	0.63	0.77	0.50
1972-73 DELTA-P		0.56	0.76	-0.87*	-0.21	0.54	-0.49	-0.55*	4.11#	-1.50#	1.15	0.06	0.12	-0.66*	2.84	0.50	2.95	-0.36	1.64	-0.91	-0.44	-0.35
1972-73 SE OF DP		0.74	0.65	0.43	0.63	0.34	0.31	0.24	1.38	0.59	1.51	0.87	0.44	0.30	1.52	1.04	2.09	0.94	1.56	0.56	0.74	0.49
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	0.48	0.30	0.00	0.64	0.95	0.44	0.52	0.61	0.00	0.00	0.77	0.00	0.35	0.90	0.00	0.41	0.00	0.00	0.22	0.86	0.70	0.64
1972-73 SE OF P-VAL	0.16	0.26	0.00	0.25	0.41	0.16	0.24	0.16	0.00	0.00	0.74	0.00	0.25	0.33	0.00	0.40	0.00	0.00	0.22	0.65	0.56	0.28
1972-73 DELTA-P		-0.18	-0.48#	0.16	0.47	-0.04	0.04	0.13#	-0.48#	-0.48#	0.29	-0.48#	-0.13	0.42	-0.48#	-0.07	-0.48#	-0.48#	-0.26	0.38	0.22	0.16
1972-73 SE OF DP		0.23	0.16	0.22	0.32	0.13	0.13	0.04	0.16	0.16	0.72	0.16	0.23	0.22	0.16	0.40	0.16	0.16	0.25	0.57	0.46	0.24
AGE: 13																						
1972-73 P-VALUE	3.66	1.99	3.22	4.46	4.63	5.20	2.11	4.25	0.35	2.30	2.16	0.97	3.44	5.19	1.86	1.05	0.00	4.85	4.50	2.47	5.23	4.71
1972-73 SE OF P-VAL	0.52	0.70	0.95	1.13	1.10	0.75	0.50	0.44	0.30	1.37	1.14	0.61	0.80	0.82	0.95	0.65	0.00	1.56	1.40	1.08	1.23	1.15
1972-73 DELTA-P		-1.67*	-0.44	0.80	0.97	1.54#	-1.55#	0.59#	-3.31#	-1.36	-1.50	-2.69#	-0.22	1.53#	-1.80*	-2.61#	-3.66#	1.19	0.84	-1.19	1.57	1.05
1972-73 SE OF DP		0.73	0.89	0.88	0.98	0.42	0.42	0.16	0.62	1.48	1.09	0.75	0.58	0.50	0.84	0.79	0.52	1.47	1.24	1.02	1.15	0.88
AGE: 17																						
1972-73 P-VALUE	8.70	7.38	6.84	11.52	8.37	13.67	4.20	10.19	2.17	2.54	4.96	6.70	8.94	10.51	2.82	10.27	3.45	9.92	2.77	9.44	10.89	9.08
1972-73 SE OF P-VAL	0.70	1.61	0.94	1.70	0.93	1.33	0.53	0.85	1.20	0.89	2.62	2.10	1.26	1.10	1.39	2.58	0.81	2.59	1.44	1.61	2.32	1.46
1972-73 DELTA-P		-1.32	-1.86	2.82*	-0.33	4.97#	-4.50#	1.49#	-6.53#	-6.16#	-3.74	-2.00	0.24	1.81*	-5.88#	1.57	-5.25#	1.22	-5.93#	0.74	2.19	0.38
1972-73 SE OF DP		1.38	1.02	1.31	0.96	0.75	0.73	0.30	1.36	1.10	2.61	2.03	0.99	0.76	1.30	2.60	1.06	2.33	1.62	1.44	2.03	1.07
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.98	3.73	5.79	5.46	4.96	4.09	5.90	5.37	3.48	3.88	3.58	2.47	5.83	4.25	5.98	1.33	2.80	5.89	5.91	6.39	5.59	4.95
1972-73 SE OF P-VAL	0.66	1.07	1.47	1.56	1.03	0.85	0.85	0.76	1.04	1.71	2.20	1.39	1.24	1.07	1.07	0.69	1.31	1.99	2.08	1.72	1.06	1.16
1972-73 DELTA-P		-1.25	0.81	0.48	-0.02	-0.89	0.92	0.39	-1.50	-1.10	-1.40	-2.51	0.85	-0.73	1.00	-3.65#	-2.18	0.91	0.93	1.41	0.61	-0.03
1972-73 SE OF DP		0.99	1.25	1.24	0.99	0.52	0.55	0.23	0.98	1.60	2.16	1.45	0.97	0.74	0.98	0.86	1.22	1.70	1.74	1.62	1.10	0.97
AGE: 13																						
1972-73 P-VALUE	10.95	9.60	11.58	11.98	10.43	10.35	11.55	10.95	11.08	10.64	10.99	11.21	11.49	8.11	18.33	11.49	12.23	11.40	13.27	13.10	7.05	9.81
1972-73 SE OF P-VAL	0.65	1.03	1.10	1.24	1.62	0.94	0.91	0.78	1.53	3.37	2.88	3.06	1.06	0.99	2.39	2.01	2.97	2.05	3.24	2.16	1.60	1.24
1972-73 DELTA-P		-1.35	0.63	1.03	-0.52	-0.60	0.60	0.00	0.13	-0.31	0.04	0.26	0.54	-2.84#	7.38#	0.54	1.28	0.45	2.32	2.15	-3.90#	-1.14
1972-73 SE OF DP		0.99	1.04	1.02	1.31	0.67	0.66	0.34	1.54	3.31	2.67	2.94	1.11	0.74	2.11	1.91	2.87	1.80	3.18	2.05	1.55	1.11
AGE: 17																						
1972-73 P-VALUE	9.26	9.55	6.53	10.99	9.28	7.85	10.54	8.90	11.51	9.27	8.09	9.75	10.80	8.06	10.35	11.87	10.03	7.45	4.03	12.76	6.63	9.43
1972-73 SE OF P-VAL	0.75	1.92	1.00	1.03	1.67	0.98	0.91	0.78	2.17	3.41	2.63	1.80	1.55	0.85	2.48	2.42	2.78	1.46	1.53	1.96	1.86	1.32
1972-73 DELTA-P		0.29	-2.73#	1.73	0.02	-1.41*	1.28*	-0.36	2.25	0.01	-1.17	0.49	1.54	-1.20	1.09	2.61	0.77	-1.81	-5.23#	3.50*	-2.63	0.17
1972-73 SE OF DP		1.54	1.05	1.00	1.40	0.59	0.54	0.44	1.97	3.10	2.58	1.82	1.13	0.66	2.30	2.40	2.53	1.58	1.57	1.63	1.75	1.10

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 203008-1234

72-73 Report #: UB228

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: C. Understand and apply conceptual schemes.

Science Type: Biological science

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Individual for age 9/Group at other ages

Age:	9	13	17IS	Adult
72-73 Package-Exercise:	10-02	03-15	02-22	02-15
72-73 National P-val:				
UB228A	51.31	73.45	87.16	83.16
UB228B	39.17	62.14	81.01	78.17
UB228C	52.34	63.05	66.43	62.40
UB228D	19.85	41.82	46.09	40.02
UB228E	40.80	64.91	77.80	70.33
UB228F	31.63	58.37	74.39	66.89
UB228G	28.48	31.88	39.76	41.33
UB228H	17.58	25.11	34.20	37.54
UB228I	16.98	13.19	13.75	19.57
UB228J	2.05	2.84	6.33	10.43
UB228K	47.61	51.79	54.61	53.47
UB228L	12.70	26.87	28.53	23.53
UB228M	41.31	61.64	71.21	68.10
UB228N	32.42	56.60	68.20	64.88
UB228O	13.59	7.82	12.85	15.39
UB228P	2.78	4.69	10.72	12.50
UB228Q	49.90	68.91	75.85	69.62
UB228R	42.58	64.10	71.67	65.27

Timing: (in seconds)

UB228	Introduction
	Stimulus
	Response
	I don't know
	Pause
UB228A	Part total
	Stimulus
	Response
	Turn page
UB228B	Part total
	Stimulus
	Response
	I don't know
	Pause
UB228C	Part total
	Stimulus
	Response
UB228D	Part total
	Stimulus
	Response
	I don't know
	Pause
UB228E	Part total
	Stimulus
	Response
	Turn page
UB228F	Part total
	Stimulus
	Response
	I don't know
	Paus
UB228G	Part total
	Stimulu
	Response
UB228H	Part total
	Stimulu
	Respons
	I don't kno
	Paus
UB228I	Part total
	Stimulu
	Respons
	Turn pag
UB228J	Part total
	Stimulu
	Respons
	I don't kno
	Paus
UB228K	Part total
	Stimulu
	Respons
UB228L	Part tota
	Stimulu
	Respons
	I don't kno
	Paus
UB228M	Part total
	Stimulu

1234

RSTAND AND APPLY THE FUNDAMENTAL ASPECTS
SCIENCE IN A WIDE RANGE OF PROBLEM
ATIONS.
rstand and apply conceptual schemes.

ogical science

Multiple choice plus short answer
Machine plus professional
Individual for age 9/Group at other ages

9 10-02	13 03-15	17IS 02-22	Adult 02-15
51.31	73.45	87.16	83.16
39.17	62.14	81.01	78.17
52.34	63.05	66.43	62.40
19.85	41.82	46.09	40.02
40.80	64.91	77.80	70.33
31.63	58.37	74.39	66.89
28.48	31.08	39.76	41.33
17.58	25.11	34.20	37.54
16.98	13.19	13.75	19.57
2.06	2.84	6.33	10.43
47.61	51.79	54.61	53.47
12.70	26.87	28.53	23.53
41.31	61.64	71.21	68.10
32.42	56.60	68.20	64.88
13.59	7.82	12.85	15.39
2.78	4.69	10.72	12.50
49.90	68.91	75.85	69.62
42.58	64.10	71.67	65.27

Timing: (in seconds)

UB228	Introduction:	*	34	31	31
	Stimulus:	*	11	10	14
	Response:	*	3	3	*
	I don't know:	*	5	5	*
	Pause:	*	3	6	*
UB228A	Part total:	*	22	24	*
	Stimulus:	*	3	3	3
	Response:	*	20	21	*
	Turn page:	*	(6)	(5)	(6)
UB228B	Part total:	*	23**	24**	*
	Stimulus:	*	10	10	5
	Response:	*	2	2	*
	I don't know:	*	1	1	*
	Pause:	*	3	5	*
UB228C	Part total:	*	16	18	*
	Stimulus:	*	3	3	3
	Response:	*	21	21	*
UB228D	Part total:	*	24	24	*
	Stimulus:	*	11	10	6
	Response:	*	2	2	*
	I don't know:	*	1	1	*
	Pause:	*	2	6	*
UB228E	Part total:	*	16	19	*
	Stimulus:	*	3	3	3
	Response:	*	21	21	*
	Turn page:	*	(6)	(5)	(6)
UB228F	Part total:	*	24**	24**	*
	Stimulus:	*	10	10	5
	Response:	*	2	2	*
	I don't know:	*	1	1	*
	Pause:	*	3	5	*
UB228G	Part total.	*	16	18	*
	Stimulus:	*	3	3	3
	Response:	*	21	21	*
UB228H	Part total:	*	24	24	*
	Stimulus:	*	11	11	6
	Response:	*	2	2	*
	I don't know:	*	1	1	*
	Pause:	*	3	6	*
UB228I	Part total:	*	17	20	*
	Stimulus:	*	3	3	3
	Response:	*	22	21	*
	Turn page:	*	(6)	(6)	(6)
UB228J	Part total:	*	25**	24**	*
	Stimulus:	*	11	10	5
	Response:	*	2	2	*
	I don't know:		1	1	*
	Pause:	*	3	6	*
UB228K	Part total:	*	17	19	*
	Stimulus:	*	3	3	3
	Response:	*	21	21	*
UB228L	Part total:	*	24	24	*
	Stimulus:	*	11	11	6
	Response:	*	3	2	*
	I don't know:	*	1	1	*
	Pause:	*	3	6	*
UB228M	Part total:	*	18	20	*
	Stimulus:	*	3	3	3

	Response:	*	21	21	*
	Turn page:	*	(6)	(6)	(6)
UB228N	Part total:	*	24**	24**	*
	Stimulus:	*	10	10	5
	Response:	*	3	2	*
	I don't know:	*	1	1	*
	Pause:	*	3	6	*
UB228O	Part total:	*	17	19	*
	Stimulus:	*	3	2	3
	Response:	*	21	20	*
UB228P	Part total:	*	24	22	*
	Stimulus:	*	11	11	6
	Response:	*	2	2	*
	I don't know:	*	1	1	*
	Pause:	*	3	5	*
UB228Q	Part total:	*	17	19	*
	Stimulus:	*	3	3	3
	Response:	*	21	21	*
UB228R	Part total:	*	24	24	*
UB228	Exercise total:	*	406	421	*

*Time not limited by paced tape.

**Time to turn page is not included in total times.

EXERCISE: 203008-1234 08228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part A.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	1.29	2.28	1.16	0.56	1.20	0.81	1.73	0.86	2.95	2.70	1.84	0.86	0.73	0.54	2.79	1.46	4.62	1.56	0.25	0.70	1.54	0.79
1972-73 SE OF P-VAL	0.31	0.86	0.56	0.36	0.60	0.29	0.51	0.25	1.11	1.62	1.50	0.65	0.40	0.44	0.76	0.99	1.71	1.15	0.25	0.40	0.95	0.35
1972-73 DELTA-P		0.99	-0.13	-0.73	-0.09	-0.48	0.44	-0.43*	1.66	1.41	0.55	-0.43	-0.56	-0.75	1.50#	0.17	3.33*	0.27	-1.04#	-0.59	0.25	-0.50
1972-73 SE OF DP		0.68	0.50	0.40	0.53	0.30	0.28	0.19	0.92	1.54	1.47	0.69	0.37	0.38	0.59	0.95	1.56	1.02	0.37	0.47	0.84	0.34
AGE: 13																						
1972-73 P-VALUE	0.23	0.22	0.05	0.21	0.41	0.26	0.21	0.12	0.23	1.74	0.00	0.00	0.40	0.14	0.33	0.82	1.47	0.00	0.32	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.13	0.16	0.05	0.21	0.41	0.15	0.20	0.08	0.16	1.60	0.00	0.00	0.34	0.14	0.26	0.67	1.23	0.00	0.31	0.00	0.00	0.00
1972-73 DELTA-P		-0.01	-0.18	-0.02	0.18	0.03	-0.02	-0.11	0.00	1.51	-0.23	-0.23	0.17	-0.09	0.10	0.59	1.24	-0.23	0.09	-0.23	-0.23	-0.23
1972-73 SE OF DP		0.17	0.13	0.19	0.31	0.13	0.12	0.11	0.18	1.50	0.13	0.13	0.24	0.14	0.26	0.62	1.13	0.13	0.31	0.13	0.13	0.13
AGE: 17																						
1972-73 P-VALUE	1.04	1.00	3.10	0.28	0.18	1.20	0.91	0.55	3.83	1.26	0.00	3.44	0.65	0.52	2.88	0.55	0.69	0.00	14.59	0.00	0.00	0.27
1972-73 SE OF P-VAL	0.62	0.40	2.97	0.28	0.18	0.99	0.38	0.39	2.30	1.28	0.00	2.96	0.36	0.38	1.59	0.53	0.42	0.00	9.04	0.00	0.00	0.18
1972-73 DELTA-P		-0.04	2.06	-0.76	-0.86	0.16	-0.13	-0.49	2.79	0.22	-1.04	2.40	-0.39	-0.52	1.84	-0.49	-0.35	-1.04	13.55	-1.04	-1.04	-0.77
1972-73 SE OF DP		0.68	2.36	0.65	0.64	0.40	0.34	0.26	1.72	1.35	0.62	2.36	0.43	0.30	1.63	0.80	0.78	0.62	8.45	0.62	0.62	0.63
AGE: A6																						
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	51.31	52.60	45.15	53.20	54.38	55.91	47.09	55.74	32.19	40.78	44.93	35.77	45.54	61.87	44.16	44.30	33.37	54.43	51.30	60.22	52.53	52.52
1972-73 SE OF P-VAL	1.44	3.31	2.85	2.54	2.63	2.01	1.69	1.64	2.86	4.68	3.99	5.54	3.20	2.33	2.31	5.85	4.99	4.09	3.86	3.86	3.80	2.15
1972-73 DELTA-P		1.29	-6.16#	1.89	3.07	4.60#	-4.22#	4.43#	-19.12#	-10.53*	-6.38	-15.54#	-5.77*	10.56#	-7.15#	-7.01	-17.94#	3.12	-0.01	8.91#	1.22	1.21
1972-73 SE OF DP		2.73	2.45	2.27	2.48	1.19	1.10	0.78	2.75	4.58	3.86	5.54	2.71	1.49	2.32	5.44	4.25	3.60	3.72	3.39	3.56	1.94
AGE: 13																						
1972-73 P-VALUE	73.45	77.30	62.97	77.63	74.21	75.19	71.85	79.44	45.52	53.88	53.18	64.01	75.05	82.25	58.00	64.36	48.74	81.28	71.26	80.67	76.61	75.69
1972-73 SE OF P-VAL	1.48	2.98	4.15	2.38	2.36	1.71	1.96	1.46	2.91	5.81	4.59	4.93	2.10	1.47	2.97	8.43	3.85	3.57	4.49	2.19	3.29	2.06
1972-73 DELTA-P		3.85	-10.48#	4.18	0.76	1.74	-1.60	5.99#	-27.93#	-19.57#	-20.27#	-9.44	1.60	8.80#	-15.45#	-9.09	-24.71#	7.83*	-2.19	7.22#	3.16	2.24
1972-73 SE OF DP		2.57	3.47	2.16	2.20	1.15	1.07	0.92	2.86	5.50	3.95	4.90	1.40	1.29	2.46	7.83	3.64	3.40	4.04	2.28	3.25	1.90
AGE: 17																						
1972-73 P-VALUE	87.16	88.60	81.13	89.94	87.45	89.31	85.33	90.90	70.88	74.05	79.29	80.90	85.86	92.74	76.14	84.91	77.15	92.78	73.77	90.73	90.04	88.62
1972-73 SE OF P-VAL	0.95	0.98	3.50	1.66	1.59	1.48	1.22	0.78	3.45	2.68	3.29	2.96	1.38	0.89	3.47	3.19	3.36	1.51	8.17	1.91	2.18	1.18
1972-73 DELTA-P		1.44	-6.03*	2.78	0.29	2.15*	-1.83*	3.74#	-16.28#	-13.11#	-7.87*	-6.26#	-1.30	5.58#	-11.02#	-2.25	-9.97#	5.62#	-13.35	3.57	2.88	1.46
1972-73 SE OF DP		1.16	2.88	1.46	1.50	1.01	0.88	0.59	2.90	2.88	3.23	2.48	1.11	0.75	3.29	3.26	2.96	1.71	7.62	2.07	2.12	1.21
AGE: A6																						
1972-73 P-VALUE	83.16	80.39	81.13	84.77	85.61	87.73	78.91	87.07	59.91	67.63	77.95	84.88	86.33	87.72	48.69	84.35	64.79	89.47	77.67	85.85	82.74	85.61
1972-73 SE OF P-VAL	1.06	2.45	2.34	1.91	1.88	1.41	1.60	0.97	3.20	5.63	1.98	2.40	1.96	1.54	7.44	2.38	4.23	2.58	4.80	3.71	3.48	1.36
1972-73 DELTA-P		-2.77	-2.03	1.61	2.45	4.57#	-4.25#	3.91#	-23.25#	-15.53#	-5.21#	1.72	3.17	4.56#	-34.47#	1.19	-18.37#	6.31#	-5.49	2.69	-0.42	2.45
1972-73 SE OF DP		2.05	2.09	1.64	1.68	1.10	1.08	0.59	2.90	5.39	1.77	2.01	1.63	1.51	7.26	2.47	4.03	2.49	4.59	3.19	3.29	1.37
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	4.83	6.55	4.79	3.72	4.28	3.37	6.17	5.02	3.87	4.70	2.65	3.07	5.12	3.61	7.07	4.39	7.82	7.20	4.75	3.21	5.27	3.70
1972-73 SE OF P-VAL	0.53	1.09	1.21	0.97	0.98	0.60	0.78	0.66	1.28	1.52	1.35	1.70	1.24	0.86	1.20	1.70	2.26	2.30	1.23	1.11	1.73	1.06
1972-73 DELTA-P		1.72	-0.04	-1.11	-0.55	-1.46#	1.34#	0.19	-0.96	-0.13	-2.18	-1.76	0.29	-1.22	2.24*	-0.44	2.99	2.37	-0.08	-1.62	0.44	-1.13
1972-73 SE OF DP		0.95	1.01	0.86	0.88	0.48	0.44	0.26	1.28	1.55	1.39	1.72	1.09	0.67	1.07	1.67	2.27	2.12	1.24	1.12	1.67	0.84
AGE: 13																						
1972-73 P-VALUE	1.88	1.63	2.22	0.97	2.80	1.55	2.19	0.89	5.42	7.44	4.90	3.49	1.09	0.71	4.93	2.89	5.36	0.00	2.91	1.15	1.29	1.66
1972-73 SE OF P-VAL	0.31	0.68	0.73	0.23	0.79	0.36	0.45	0.23	1.30	2.04	1.63	0.87	0.40	0.23	1.16	1.16	1.21	0.00	1.38	0.81	0.42	0.24
1972-73 DELTA-P		-0.25	0.34	-0.91#	0.92	-0.33	0.31	-0.99#	3.54*	5.56#	3.02	1.61	-0.79#	-1.17#	3.05#	1.01	3.48#	-1.88#	1.03	-0.73	-0.59	-0.22
1972-73 SE OF DP		0.58	0.63	0.35	0.64	0.28	0.26	0.22	1.17	1.89	1.54	0.84	0.28	0.26	1.03	1.11	1.13	0.31	1.23	0.71	0.48	0.38

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-123A UB220

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part A.

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.15	1.10	1.66	1.09	0.83	0.56	1.65	0.86	2.68	1.62	1.25	1.32	1.37	0.75	2.43	1.31	1.58	1.21	1.93	1.66	0.34	0.86
1972-73 SE OF P-VAL	0.26	0.51	0.36	0.63	0.42	0.26	0.42	0.29	0.90	1.13	0.73	0.67	0.59	0.38	1.33	0.98	0.78	1.13	1.41	0.95	0.33	0.31
1972-73 DELTA-P		-0.05	0.51	-0.06	-0.32	-0.59*	0.50*	-0.29*	1.53	0.47	0.10	0.17	0.22	-0.40	1.28	0.16	0.43	0.06	0.78	0.51	-0.81*	-0.29
1972-73 SE OF DP		0.43	0.38	0.49	0.40	0.27	0.23	0.14	0.84	1.11	0.74	0.63	0.48	0.33	1.29	0.96	0.78	1.05	1.36	0.82	0.39	0.30
AGE: A																						
1972-73 P-VALUE	2.68	2.91	1.91	3.39	2.30	1.31	3.96	1.33	9.43	10.49	5.61	1.23	1.34	1.06	12.81	1.86	9.92	0.00	7.04	0.23	2.82	1.79
1972-73 SE OF P-VAL	0.46	0.89	0.58	1.04	0.92	0.44	0.74	0.33	2.62	3.85	1.32	0.44	0.65	0.56	5.41	0.83	3.09	0.00	2.36	0.24	1.07	0.59
1972-73 DELTA-P		0.23	-0.77	0.71	-0.38	-1.37#	1.28#	-1.35#	6.75#	7.81*	2.93#	-1.45*	-1.34#	-1.62*	10.13	-0.82	7.24#	-2.68#	4.36*	-2.45#	0.14	-0.89
1972-73 SE OF DP		0.79	0.64	0.82	0.79	0.41	0.40	0.36	2.40	3.69	1.07	0.58	0.53	0.67	5.26	0.87	2.83	0.46	2.17	0.51	1.08	0.55

EXERCISE: 203008-123A UB220

Part B.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.98	5.21	10.26	5.53	6.97	4.67	9.10	6.03	9.91	11.78	12.52	12.53	7.64	3.83	9.13	12.85	9.00	2.56	5.84	6.19	6.87	7.40
1972-73 SE OF P-VAL	0.76	1.24	1.86	1.12	1.68	0.64	1.16	0.87	1.80	3.53	4.94	4.21	1.29	0.84	1.41	4.03	2.21	1.10	1.53	2.10	1.69	0.95
1972-73 DELTA-P		-1.77	3.28*	-1.45	-0.01	-2.31#	2.12#	-0.95*	2.93	4.80	5.54	5.55	0.66	-3.15#	2.15	5.87	2.02	-4.42#	-1.14	-0.79	-0.11	0.42
1972-73 SE OF DP		1.16	1.50	1.09	1.43	0.58	0.54	0.42	1.74	3.32	4.67	4.13	0.98	0.77	1.11	3.61	2.09	1.13	1.54	1.85	1.67	0.67
AGE: 13																						
1972-73 P-VALUE	6.69	6.52	10.35	3.47	7.20	7.92	5.56	3.61	20.85	17.20	18.21	10.88	6.25	1.76	14.82	11.59	24.64	1.18	7.60	4.41	2.99	5.08
1972-73 SE OF P-VAL	0.84	1.78	2.19	1.02	1.73	1.05	0.94	0.69	3.15	4.92	3.63	2.91	1.14	0.44	2.19	4.51	3.11	0.55	2.17	1.57	1.11	1.07
1972-73 DELTA-P		-0.17	3.66	-3.22#	0.51	1.23*	-1.13*	-3.08#	14.16#	10.51*	11.52#	4.19	-0.44	-4.93#	8.13#	4.90	17.95#	-5.51#	0.91	-2.28	-3.70#	-1.61
1972-73 SE OF DP		1.52	1.84	1.08	1.47	0.57	0.53	0.63	2.84	4.68	3.13	2.73	0.92	0.70	1.80	4.68	2.93	1.00	2.11	1.57	1.29	0.89
AGE: 17																						
1972-73 P-VALUE	3.93	3.74	5.64	3.19	3.53	4.26	3.65	2.44	11.56	6.62	6.66	7.06	4.40	1.53	8.94	1.46	9.78	0.37	19.08	2.56	1.91	2.54
1972-73 SE OF P-VAL	0.78	0.89	3.00	0.90	1.37	1.28	0.67	0.57	2.97	3.14	2.26	3.49	0.98	0.36	2.70	0.88	2.83	0.37	8.60	1.18	1.20	0.60
1972-73 DELTA-P		-0.19	1.71	-0.74	-0.40	0.33	-0.28	-1.49#	7.63#	2.69	2.73	3.13	0.47	-2.40#	5.01	-2.47*	5.85*	-3.56#	15.15	-1.37	-2.02	-1.39
1972-73 SE OF DP		0.98	2.44	0.98	1.27	0.67	0.58	0.47	2.36	3.13	2.15	2.93	0.67	0.60	2.59	1.15	2.49	0.90	8.02	1.36	1.32	0.84
AGE: A																						
1972-73 P-VALUE	4.06	6.50	4.39	3.72	1.90	3.68	4.41	2.94	10.88	8.15	5.65	2.89	3.73	2.45	13.20	1.80	10.48	2.95	10.11	3.22	2.44	2.79
1972-73 SE OF P-VAL	0.61	1.62	1.20	1.14	0.83	0.95	0.82	0.55	2.84	3.29	1.28	1.10	1.24	0.74	5.97	0.80	3.04	1.63	3.42	1.91	1.31	0.79
1972-73 DELTA-P		2.44	0.33	-0.34	-2.16#	-0.38	0.35	-1.12#	6.82#	4.09	1.59	-1.17	-0.33	-1.61	9.14	-2.26*	6.42*	-1.11	6.05	-0.84	-1.62	-1.27
1972-73 SE OF DP		1.32	1.10	0.96	0.84	0.67	0.62	0.37	2.57	3.15	1.07	1.05	0.93	0.92	5.77	0.95	2.83	1.48	3.19	1.77	1.39	0.79

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	39.17	43.89	29.47	41.28	42.13	43.82	34.91	45.42	11.64	25.44	30.07	21.62	33.44	52.06	29.43	29.51	14.51	45.31	35.24	51.17	40.83	41.59
1972-73 SE OF P-VAL	1.01	3.81	3.59	3.42	3.17	2.15	2.08	2.02	2.76	4.14	4.46	5.06	2.99	2.65	2.72	7.05	2.80	4.25	4.94	5.05	4.40	2.21
1972-73 DELTA-P		4.72	-9.70#	2.11	2.96	4.65#	-4.26#	6.25#	-27.53#	-13.73#	-9.10*	-17.55#	-5.73*	12.89#	-9.74#	-5.66	-24.66#	6.14	-3.93	12.00#	1.66	2.42
1972-73 SE OF DP		3.19	3.08	2.98	2.91	1.09	1.01	0.85	2.85	4.05	4.24	5.10	2.45	1.43	2.46	6.56	3.44	3.68	4.51	4.35	4.12	2.11
AGE: 13																						
1972-73 P-VALUE	62.14	67.73	49.44	66.57	62.85	62.98	61.37	70.59	22.90	34.16	37.92	44.33	62.90	75.66	40.71	49.80	25.79	78.14	57.36	73.42	66.57	63.81
1972-73 SE OF P-VAL	1.74	3.59	4.87	2.92	2.49	1.98	2.22	1.59	2.55	5.52	4.70	5.83	2.03	1.58	3.07	9.04	4.38	3.08	5.03	2.96	3.99	2.43
1972-73 DELTA-P		5.59	-12.70#	4.43	0.71	0.84	-0.77	8.45#	-39.24#	-27.98#	-24.22#	-17.81#	0.76	13.52#	-21.43#	-12.34	-36.35#	16.00#	-4.78	11.28#	4.43	1.67
1972-73 SE OF DP		3.08	4.06	2.61	2.46	1.23	1.14	1.14	2.62	5.41	4.15	5.43	1.49	1.39	2.63	8.23	4.35	3.26	4.77	3.17	3.98	2.13
AGE: 17																						
1972-73 P-VALUE	81.01	83.17	73.81	84.03	81.18	83.13	79.19	86.46	56.65	63.42	71.75	71.92	79.58	89.29	58.97	79.11	63.53	89.71	64.59	86.20	86.21	82.89
1972-73 SE OF P-VAL	1.23	1.57	3.88	2.38	2.34	2.02	1.45	0.80	3.71	3.79	4.13	3.78	1.63	1.08	5.16	2.96	3.64	1.04	7.92	2.67	2.17	1.47
1972-73 DELTA-P		2.16	-7.20*	3.02	0.17	2.12	-1.82	5.45#	-24.36#	-17.59#	-9.26*	-9.09#	-1.43	8.28#	-22.04#	-1.90	-17.48#	8.70#	-16.42*	5.19	5.20*	1.88
1972-73 SE OF DP		1.61	3.27	2.01	2.10	1.31	1.13	0.88	3.08	3.63	3.79	3.29	1.33	1.01	4.78	3.11	3.02	1.52	7.34	2.69	2.16	1.45

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                           NATION |             REGION              |      SEX       |          RACE           |            PARENTAL EDUCATION              |             SIZE-AND-TYPE OF COMMUNITY
                                  |   NORTH   SOUTH                 |                |                   OTHER |             SOME     GRAD     POST          |EXTREME     LOW    HIGH    MAIN   URBAN  MEDIUM   SMALL
                                  |    EAST    EAST CENTRAL    WEST |   MALE  FEMALE |  WHITE   BLACK    RACE | NO HS       HS       HS       HS  UNKNOWN |  RURAL   METRO   METRO BIG CTY  FRINGE    CITY  PLACES

EXERCISE: 203008-1234  UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part B.

RESPONSE:  01*   AGE: AD        TEXT:  All Acceptable Responses.

    1972-73 P-VALUE          78.17    73.68   75.19   80.91   81.72    80.99   75.54    82.91   50.80   57.85    72.73   77.82   80.19   86.27   39.95    79.78   56.73   87.12   69.09   82.67   76.55   80.97
    1972-73 SE OF P-VAL       1.25     2.80    2.45    1.96    2.71     1.72    1.62     1.11    3.78    7.01     2.09    2.69    2.16    1.47    6.19     1.71    4.49    2.58    5.32    4.19    3.51    1.74
    1972-73 DELTA-P                   -4.49   -2.98    2.74    3.55    2.82*  -2.63* [illegible]-27.37#-20.32#   -5.44#  -0.35    2.02    8.10#-38.22#     1.61 -21.44#   8.95#  -5.08    4.56   -1.62    2.80
    1972-73 SE OF DP                   2.37    2.26    1.76    2.25     1.15    1.06     0.69    3.50    6.70     1.84    2.36    1.63    1.45    5.93     2.04    4.22    2.45    5.07    3.69    3.38    1.70

RESPONSE:  03    AGE:  9        TEXT:  I Don't Know.

    1972-73 P-VALUE          18.57    14.85   24.00   17.74   17.66    15.97   20.96    16.72   26.28   23.57    22.28   21.22   19.82   11.39   26.95    23.48   26.37   15.73   16.75   13.42   19.23   18.79
    1972-73 SE OF P-VAL       1.10     1.90    2.59    2.37    1.75     1.33    1.54     1.19    2.75    4.29     3.53    4.23    2.03    1.43    2.06     3.80    2.98    3.65    2.23    2.65    2.82    2.28
    1972-73 DELTA-P                   -3.72*   5.43#  -0.83   -0.91   -2.60#   2.39#   -1.85#   7.71#   5.00     3.71    2.65    1.25   -7.18#   8.38#    4.91    7.80#  -2.84   -1.82   -5.15*   0.66    0.22
    1972-73 SE OF DP                   1.72    2.16    1.98    1.66     0.96    0.88     0.58    2.50    4.15     3.38    4.05    1.65    1.16    1.68     3.74    3.02    3.23    2.17    2.42    2.85    1.87

                 AGE: 13

    1972-73 P-VALUE           2.22     2.78    2.55    1.31    2.37     2.23    2.21     1.59    5.04    4.48     3.97    3.66    1.56    1.38    4.70     4.46    6.22    1.32    1.81    0.69    1.46    1.98
    1972-73 SE OF P-VAL       0.38     0.72    0.63    0.51    1.04     0.42    0.53     0.32    1.11    2.08     1.33    1.56    0.51    0.41    1.19     2.26    1.65    0.68    1.11    0.47    0.80    0.42
    1972-73 DELTA-P                    0.56    0.33   -0.91    0.15     0.01   -0.01    -0.63#   2.82#   2.26     1.75    1.44   -0.66   -0.84*   2.48*    2.24    4.06#  -0.90   -0.41   -1.53#  -0.76   -0.24
    1972-73 SE OF DP                   0.63    0.60    0.51    0.82     0.31    0.29     0.21    0.95    1.86     1.21    1.42    0.45    0.36    1.01     2.06    1.55    0.66    1.02    0.52    0.74    0.44

                 AGE: 17

    1972-73 P-VALUE           0.65     0.27    0.79    0.40    1.28     0.42    0.85     0.29    1.96    2.48     1.38    1.78    0.36    0.19    2.23     2.55    0.61    0.00    1.36    0.76    0.00    0.53
    1972-73 SE OF P-VAL       0.19     0.28    0.20    0.40    0.53     0.19    0.26     0.16    0.63    1.54     0.78    0.69    0.36    0.15    1.36     1.70    0.61    0.00    1.38    0.53    0.00    0.24
    1972-73 DELTA-P                   -0.38    0.14   -0.25    0.63    -0.23    0.20    -0.36#   1.31*   1.83     0.73    1.13   -0.29   -0.46*   1.58     1.90   -0.04   -0.65#   0.71    0.11   -0.65#  -0.12
    1972-73 SE OF DP                   0.26    0.24    0.32    0.43     0.14    0.12     0.13    0.58    1.45     0.77    0.62    0.29    0.19    1.27     1.60    0.59    0.19    1.32    0.50    0.19    0.23

                 AGE: AD

    1972-73 P-VALUE           2.64     2.75    3.52    1.78    2.78     2.13    3.12     1.67    7.44    8.33     4.11    3.07    0.82    0.74   21.51     2.50    5.04    0.38    2.38    0.93    4.60    2.56
    1972-73 SE OF P-VAL       0.54     1.07    1.17    0.93    1.17     0.49    0.87     0.48    2.30    3.53     1.36    1.05    0.33    0.38    7.19     1.14    2.28    0.39    1.21    0.64    1.32    1.07
    1972-73 DELTA-P                    0.11    0.88   -0.86    0.14    -0.51    0.48    -0.97#   4.89*   5.69     1.47    0.43   -1.82#  -1.90#  18.87#   -0.14    2.46   -2.26#  -0.26   -1.71*   1.96    0.22
    1972-73 SE OF DP                   0.94    1.05    0.80    0.98     0.48    0.44     0.34    2.06    3.38     1.05    0.94    0.54    0.61    6.90     1.13    2.10    0.61    1.22    0.74    1.28    0.72

EXERCISE: 203008-1234  UB228

Part C.

RESPONSE:  00    AGE:  9        TEXT:  No Response.

    1972-73 P-VALUE           3.54     6.65    4.13    0.99    2.45     3.19    3.86     2.64    7.42    5.65     8.43    2.10    2.65    1.69    6.27     4.74   14.01    2.34    2.15    3.68    2.21    2.03
    1972-73 SE OF P-VAL       0.49     1.67    0.65    0.36    0.81     0.68    0.74     0.39    1.95    1.83     3.04    1.55    0.71    0.45    1.14     1.65    3.09    0.82    1.04    1.26    0.90    0.67
    1972-73 DELTA-P                    3.11*   0.59   -2.55#  -1.09    -0.35    0.32    -0.90#   3.88*   2.11     4.89   -1.44   -0.89   -1.85#   2.73#    1.20   10.47#  -1.20   -1.39    0.14   -1.33   -1.51*
    1972-73 SE OF DP                   1.31    0.67    0.55    0.76     0.54    0.50     0.32    1.64    1.70     2.96    1.54    0.71    0.37    0.84     1.71    2.76    0.79    0.98    1.09    0.92    0.72

                 AGE: 13

    1972-73 P-VALUE           0.25     0.33    0.05    0.38    0.21     0.37    0.14     0.12    1.20    0.00     0.67    0.00    0.15    0.14    0.74     0.82    0.88    0.00    0.32    0.00    0.37    0.08
    1972-73 SE OF P-VAL       0.10     0.20    0.05    0.26    0.21     0.18    0.10     0.08    0.55    0.00     0.67    0.00    0.11    0.14    0.49     0.67    0.66    0.00    0.31    0.00    0.37    0.08
    1972-73 DELTA-P                    0.08   -0.20    0.13   -0.04     0.12   -0.11    -0.13    0.95   -0.25#    0.42   -0.25#  -0.10   -0.11    0.49     0.57    0.63   -0.25#   0.07   -0.25#   0.12   -0.17
    1972-73 SE OF DP                   0.18    0.11    0.20    0.18     0.11    0.10     0.08    0.48    0.16     0.63    0.10    0.12    0.12    0.44     0.62    0.61    0.10    0.30    0.10    0.33    0.11

                 AGE: 17

    1972-73 P-VALUE           1.12     0.80    3.12    0.48    0.49     1.40    0.88     0.63    3.39    2.47     1.79    3.14    0.45    0.62    3.15     0.00    1.84    0.00   14.35    0.00    0.00    0.26
    1972-73 SE OF P-VAL       0.63     0.34    2.97    0.35    0.36     1.00    0.36     0.40    2.23    1.64     1.22    2.95    0.29    0.39    1.76     0.00    0.78    0.00    9.02    0.00    0.00    0.19
    1972-73 DELTA-P                   -0.32    2.00   -0.64   -0.63     0.28   -0.24    -0.49    2.27    1.35     0.67    2.02   -0.67   -0.50    2.03    -1.12    0.72   -1.12   13.23   -1.12   -1.12   -0.86
    1972-73 SE OF DP                   0.67    2.37    0.67    0.68     0.40    0.34     0.27    1.63    1.60     1.31    2.35    0.40    0.30    1.79     0.63    0.90    0.63    8.43    0.63    0.63    0.63

                 AGE: AD

    1972-73 P-VALUE           0.21     0.00    1.01    0.00    0.00     0.44    0.00     0.25    0.00    0.00     0.00    0.00    0.68    0.00    0.00     0.00    0.00    0.00    0.00    1.87    0.00    0.00
    1972-73 SE OF P-VAL       0.21     0.00    1.01    0.00    0.00     0.45    0.00     0.26    0.00    0.00     0.00    0.00    0.68    0.00    0.00     0.00    0.00    0.00    0.00    1.85    0.00    0.00
    1972-73 DELTA-P                   -0.21    0.80   -0.21   -0.21     0.23   -0.21     0.04   -0.21   -0.21    -0.21   -0.21    0.47   -0.21   -0.21    -0.21   -0.21   -0.21   -0.21    1.66   -0.21   -0.21
    1972-73 SE OF DP                   0.21    0.80    0.21    0.21     0.23    0.21     0.04    0.21    0.21     0.21    0.21    0.47    0.21    0.21     0.21    0.21    0.21    0.21    1.64    0.21    0.21


*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 203008-1234 0B228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part C.

RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	52.34	48.68	50.64	54.66	55.44	52.26	52.41	54.43	43.47	47.17	45.62	53.60	55.71	56.97	44.02	51.74	35.36	50.05	54.53	58.20	50.06	55.60
1972-73 SE OF P-VAL	1.62	3.96	2.70	2.56	3.40	2.20	2.03	1.03	2.54	5.24	7.55	5.10	2.50	2.14	2.64	4.28	3.21	4.19	3.50	3.32	3.98	3.04
1972-73 DELTA-P		-3.66	-1.70	2.32	3.10	-0.08	0.07	2.09#	-8.87#	-5.17	-6.72	1.26	3.37	4.63#	-8.32#	-0.60	-16.98#	-2.29	2.19	5.86	-2.28	3.26
1972-73 SE OF DP		3.27	2.53	2.41	2.08	1.42	1.29	0.69	2.35	5.04	7.05	4.81	2.13	1.56	2.06	4.00	3.32	3.69	3.35	3.16	3.76	2.29
AGE: 13																						
1972-73 P-VALUE	63.05	65.45	53.65	69.51	61.82	62.25	63.79	67.07	46.12	45.97	49.53	64.04	63.79	69.04	49.11	59.90	50.22	72.47	59.69	68.56	61.40	63.02
1972-73 SE OF P-VAL	1.20	2.97	2.98	1.90	2.41	1.77	1.50	1.34	3.32	3.37	4.75	4.36	1.75	1.74	3.09	5.20	4.87	2.72	3.28	3.78	4.70	2.26
1972-73 DELTA-P		2.40	-9.40#	6.46#	-1.23	-0.80	0.74	4.02#	-16.93#	-17.08#	-13.52#	0.99	0.74	5.99#	-13.94#	-3.15	-12.83#	9.42#	-3.36	5.51	-1.65	-0.03
1972-73 SE OF DP		2.48	2.57	1.80	2.11	1.06	0.98	0.73	3.10	3.44	4.38	4.10	1.27	1.36	2.90	5.08	4.71	2.69	3.36	3.51	4.37	1.92
AGE: 17																						
1972-73 P-VALUE	66.43	64.51	65.61	70.62	64.42	65.19	67.49	69.78	52.85	52.86	59.36	64.66	67.97	69.77	46.60	67.50	60.11	67.84	42.86	62.84	72.91	71.03
1972-73 SE OF P-VAL	1.20	2.37	3.33	2.20	2.08	1.52	1.76	1.28	3.50	3.63	3.60	3.14	2.08	1.50	6.24	4.63	3.89	4.99	8.22	2.67	2.21	1.35
1972-73 DELTA-P		-1.92	-0.82	4.19*	-2.01	-1.28	1.06	3.35#	-13.58*	-13.97#	-7.07	-1.77	1.54	3.34#	-19.83#	1.67	-6.32	1.41	-23.57#	-3.59	6.48#	4.60#
1972-73 SE OF DP		1.99	2.84	1.92	1.97	1.18	1.01	0.73	3.04	3.55	3.72	2.72	1.71	1.10	5.81	4.54	3.52	4.64	7.81	2.31	2.41	1.48
AGE: Ad																						
1972-73 P-VALUE	62.40	61.56	60.13	63.53	63.77	66.44	58.64	66.00	40.49	49.00	56.80	63.07	63.93	68.82	37.90	66.92	53.82	65.97	58.22	62.12	63.06	63.10
1972-73 SE OF P-VAL	1.29	2.29	3.94	2.19	2.06	1.00	1.05	1.30	3.39	6.35	2.95	3.62	2.01	2.19	6.81	4.97	4.33	3.33	4.84	3.50	5.15	2.03
1972-73 DELTA-P		-0.84	-2.27	1.13	1.37	4.04#	-3.76#	3.60#	-21.91#	-13.40*	-5.60*	0.67	1.53	6.42#	-24.50#	4.52	-8.58*	3.57	-4.18	-0.28	0.66	0.70
1972-73 SE OF DP		2.09	3.29	1.91	1.93	1.38	1.29	0.63	3.32	6.06	2.48	3.26	2.00	1.72	6.81	4.63	4.04	3.31	4.61	3.26	4.91	1.72

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.38	11.73	8.81	8.75	8.21	8.76	9.95	9.99	6.93	7.54	11.00	9.56	6.28	16.11	10.40	7.46	11.27	13.57	8.69	8.73	9.60	8.13
1972-73 SE OF P-VAL	0.72	1.08	1.42	1.81	1.33	0.91	1.01	0.85	1.38	2.37	2.79	2.87	1.20	1.16	1.37	2.13	2.46	2.10	2.03	2.07	2.26	1.27
1972-73 DELTA-P		2.35*	-0.57	-0.63	-1.17	-0.62	0.57	0.61	-2.45	-1.84	1.62	0.18	-3.10#	0.73	1.02	-1.92	1.89	4.19*	-0.65	-0.65	0.22	-1.25
1972-73 SE OF DP		1.06	1.23	1.45	1.20	0.67	0.61	0.31	1.25	2.40	2.79	2.85	1.06	0.89	1.07	2.01	2.27	1.96	1.92	2.07	2.13	1.04
AGE: 13																						
1972-73 P-VALUE	11.27	11.14	12.16	8.65	13.44	10.96	11.56	10.91	12.38	13.65	10.33	11.13	10.12	10.19	17.88	10.60	12.79	7.84	13.79	15.21	10.73	10.46
1972-73 SE OF P-VAL	0.65	1.33	0.98	1.34	1.33	0.98	0.84	0.72	1.46	2.40	2.42	2.12	1.09	1.10	2.23	1.76	1.61	2.06	2.46	2.74	2.02	1.03
1972-73 DELTA-P		-0.17	0.89	-2.62*	2.17	-0.31	0.29	-0.36	1.11	2.38	-0.94	-0.14	-1.15	-1.08	6.61#	-0.67	1.52	-3.43	2.54	3.94	-0.54	-0.81
1972-73 SE OF DP		[illegible]	0.98	1.09	1.13	0.67	0.61	0.25	1.38	2.31	2.42	2.11	0.96	0.79	2.07	1.71	1.58	1.91	2.31	2.58	2.04	0.93
AGE: 17																						
1972-73 P-VALUE	9.50	9.73	9.97	8.82	9.97	8.39	10.60	7.69	17.80	16.19	17.03	11.32	9.18	7.21	16.38	8.80	13.07	4.29	14.24	11.49	7.50	9.27
1972-73 SE OF P-VAL	0.75	1.34	1.69	1.49	1.48	0.97	1.14	0.71	2.82	3.13	3.55	2.16	1.19	1.13	4.34	2.69	2.60	1.49	4.58	1.88	1.59	1.08
1972-73 DELTA-P		0.15	0.39	-0.76	0.39	-1.19	1.02	-1.89#	8.22*	6.61*	7.45*	1.74	-0.40	-2.37#	6.80	-0.78	3.49	-5.29#	4.66	1.91	-2.08	-0.31
1972-73 SE OF DP		1.16	1.49	1.24	1.31	0.82	0.71	0.56	2.45	2.95	3.39	1.77	1.24	0.88	4.15	2.66	2.41	1.56	4.40	1.73	1.48	0.87
AGE: Ad																						
1972-73 P-VALUE	17.40	15.17	21.66	17.51	15.87	12.35	22.10	15.33	31.20	22.81	21.02	18.42	16.27	12.49	33.21	16.10	26.16	11.94	19.46	14.97	17.22	17.77
1972-73 SE OF P-VAL	0.49	1.19	2.57	1.60	1.82	1.09	1.22	0.94	2.85	6.24	1.85	2.96	1.67	1.70	7.97	3.87	3.74	2.62	2.63	2.76	4.56	1.48
1972-73 DELTA-P		-2.23	4.26	0.11	-1.53	-5.05#	4.70#	-2.07#	13.80#	5.41	3.62*	1.02	-1.13	-4.91#	15.81*	-1.30	8.76#	-5.46*	2.06	-2.43	-0.18	0.37
1972-73 SE OF DP		1.24	2.19	1.41	1.55	0.82	0.77	0.57	2.84	5.97	1.71	2.77	1.50	1.43	7.87	3.55	3.44	2.49	2.83	2.63	4.37	1.40

EXERCISE: 203008-1234 0B228

Part D.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.48	8.09	7.89	6.93	7.00	6.82	8.08	5.95	14.87	9.39	11.67	8.97	10.10	4.63	8.59	11.92	14.38	5.03	7.40	5.57	3.99	7.71
1972-73 SE OF P-VAL	0.72	1.48	1.72	1.39	1.02	0.90	0.90	0.84	2.43	2.47	4.35	2.09	1.67	0.78	1.44	3.53	2.89	1.32	1.99	1.73	1.26	1.11
1972-73 DELTA-P		0.61	0.41	-0.55	-0.48	-0.66	0.60	-1.53#	7.39#	1.91	4.19	1.49	2.62	-2.85#	1.11	4.44	6.90#	-2.45	-0.08	-1.91	-3.49#	0.23
1972-73 SE OF DP		1.27	1.41	1.20	1.02	0.57	0.52	0.45	2.28	2.43	4.06	2.23	1.34	0.77	1.17	3.14	2.71	1.34	1.88	1.73	1.32	0.93

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 VB220

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part D.

	NATION	REGION NORTHEAST	REGION SOUTHEAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CITY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	13.64	10.54	16.44	12.12	15.84	15.54	11.82	10.47	28.98	22.72	17.43	15.70	13.33	8.83	26.20	13.89	24.17	7.56	14.03	15.03	13.39	10.91
1972-73 SE OF P-VAL	0.93	1.97	1.20	1.76	2.16	1.27	1.20	0.88	2.06	3.92	2.78	2.45	1.57	1.00	2.82	2.24	3.94	1.54	2.96	2.52	3.31	1.26
1972-73 DELTA-P		-3.10	2.80*	-1.52	2.20	1.90*	-1.82*	-3.17#	15.34#	9.08*	3.79	2.06	-0.31	-4.81#	12.56#	0.25	10.53#	-6.08#	0.39	1.39	-0.25	-2.73*
1972-73 SE OF DP		1.48	1.33	1.50	1.78	0.84	0.78	0.61	2.55	3.87	2.71	2.29	1.12	0.96	2.39	2.30	3.75	1.58	2.87	2.35	3.09	1.10
AGE: 17																						
1972-73 P-VALUE	12.31	10.79	16.09	11.82	11.36	12.81	11.88	8.66	30.18	20.59	19.92	15.77	12.02	8.16	27.38	10.73	22.40	4.83	29.66	10.65	11.91	9.91
1972-73 SE OF P-VAL	1.12	1.74	3.48	2.18	1.73	1.70	1.15	0.84	3.70	5.13	4.20	3.83	1.37	1.13	5.46	1.83	3.13	1.98	9.46	2.17	2.78	1.19
1972-73 DELTA-P		-1.52	3.78	-0.49	-0.95	0.50	-0.43	-3.65#	17.87#	8.28	7.61	3.46	-0.29	-4.15#	15.07#	-1.58	10.09#	-7.48#	17.35	-1.66	-0.40	-2.40
1972-73 SE OF DP		1.60	2.86	1.82	1.60	0.96	0.83	0.78	3.89	4.87	4.17	3.30	1.17	0.85	5.03	2.11	2.61	1.95	8.89	2.29	2.54	1.23
AGE: AA																						
1972-73 P-VALUE	14.46	13.53	18.72	15.63	10.54	11.36	17.42	12.91	23.91	20.12	17.00	14.91	15.72	8.61	25.16	13.19	21.87	8.64	18.92	13.00	13.76	14.60
1972-73 SE OF P-VAL	0.82	1.68	1.81	1.60	1.49	1.14	1.20	0.88	2.55	6.35	1.85	2.68	1.69	1.42	5.61	3.12	3.04	1.63	2.93	2.38	3.95	1.28
1972-73 DELTA-P		-0.93	4.26#	1.17	-3.92#	-3.10#	2.96#	-1.55#	9.45#	5.66	2.54	0.45	1.26	-5.85#	10.70	-1.27	7.41#	-5.82#	4.46	-1.46	-0.70	0.14
1972-73 SE OF DP		1.46	1.63	1.38	1.32	0.90	0.82	0.51	2.43	6.19	1.79	2.54	1.41	1.19	5.59	2.88	2.75	1.53	2.93	2.26	3.75	1.22
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	19.85	22.16	15.51	21.99	19.68	20.37	19.37	23.53	4.96	9.09	5.01	12.94	17.75	27.57	14.11	17.89	5.69	25.52	19.69	25.57	20.80	19.06
1972-73 SE OF P-VAL	1.35	3.78	1.50	2.30	2.61	1.90	1.61	1.60	1.14	2.05	2.43	3.64	2.12	2.28	1.54	3.92	1.57	3.71	3.43	3.69	3.28	2.28
1972-73 DELTA-P		2.31	-4.34#	2.14	-0.17	0.52	-0.48	3.68#	-14.89#	-10.76#	-14.84#	-6.91*	-2.10	7.72#	-5.74#	-1.96	-14.16#	5.67	-0.16	5.72	0.95	-0.79
1972-73 SE OF DP		2.98	1.73	2.13	2.32	1.17	1.07	0.49	1.58	2.93	2.50	3.32	1.72	1.27	1.65	3.43	2.03	3.40	3.33	3.57	2.97	1.63
AGE: 13																						
1972-73 P-VALUE	41.82	44.50	31.07	48.55	41.19	40.40	43.13	48.36	13.81	15.16	24.77	31.20	42.95	51.92	22.46	39.59	12.83	57.36	38.56	45.92	43.63	42.40
1972-73 SE OF P-VAL	1.59	3.22	3.54	2.71	3.30	2.01	1.77	1.68	2.20	3.73	4.06	5.41	1.96	2.07	2.83	6.06	2.51	2.78	3.95	3.54	4.92	2.30
1972-73 DELTA-P		2.68	-10.75#	6.73#	-0.63	-1.42	1.31	6.54#	-28.01#	-26.66#	-17.05#	-10.62*	1.13	10.10#	-19.36#	-2.23	-28.99#	15.54#	-3.26	4.10	1.81	0.58
1972-73 SE OF DP		2.79	3.09	2.41	2.80	1.07	0.97	0.94	2.61	3.77	3.99	4.99	1.57	1.50	2.56	6.49	2.78	2.81	3.83	3.33	4.46	1.96
AGE: 17																						
1972-73 P-VALUE	46.09	43.82	46.04	50.08	44.05	45.25	46.81	51.33	23.56	27.17	37.15	42.16	47.70	50.46	25.24	47.23	30.78	48.16	24.99	45.17	52.17	51.84
1972-73 SE OF P-VAL	1.35	2.16	3.14	3.00	2.53	1.76	1.60	1.35	2.17	2.76	3.73	3.19	2.32	1.08	4.11	3.97	3.81	3.88	5.14	3.66	3.35	2.16
1972-73 DELTA-P		-2.27	-0.05	3.99	-2.04	-0.84	0.72	5.24#	-22.53#	-18.92#	-8.94*	-3.93	1.61	4.37#	-20.85#	1.14	-15.31#	2.07	-21.10#	-0.92	6.08	5.75#
1972-73 SE OF DP		1.98	2.76	2.41	2.30	1.15	0.98	0.74	2.17	2.86	3.75	2.87	1.84	1.18	4.03	3.96	3.56	3.86	4.97	3.34	3.24	1.79
AGE: AA																						
1972-73 P-VALUE	40.02	38.25	39.32	38.81	43.59	42.75	37.48	44.02	14.78	26.86	33.40	39.89	41.14	47.61	22.38	47.08	28.78	50.14	29.88	43.86	34.99	40.40
1972-73 SE OF P-VAL	1.49	2.77	4.00	2.76	2.50	2.32	1.75	1.48	2.60	6.31	3.09	3.05	2.25	2.48	5.76	6.16	3.78	3.43	5.17	3.86	6.50	2.17
1972-73 DELTA-P		-1.77	-0.70	-1.21	3.57	2.73	-2.54	4.00#	-25.24#	-13.16*	-6.62#	-0.13	1.12	7.59#	-17.64#	7.06	-11.24#	10.12#	-10.14*	3.84	-5.03	0.38
1972-73 SE OF DP		2.49	3.44	2.33	2.29	1.47	1.37	0.60	2.53	6.01	2.37	2.69	2.12	1.84	5.74	5.84	3.48	3.15	4.99	3.68	6.13	1.90
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	25.49	21.82	29.23	25.32	25.57	23.50	27.31	25.02	26.09	29.72	28.33	33.60	24.05	22.28	29.38	26.92	22.78	26.40	31.17	23.10	24.24	25.03
1972-73 SE OF P-VAL	1.35	2.54	3.28	2.49	2.57	1.52	1.76	1.44	2.70	5.79	6.21	4.49	2.10	1.07	2.45	2.67	3.05	2.47	4.71	3.06	3.61	2.92
1972-73 DELTA-P		-3.67	3.74	-0.17	0.08	-1.99*	1.82	-0.47	0.60	4.23	2.84	8.11	-1.44	-3.21#	3.89	1.43	-2.71	0.91	5.68	-2.39	-1.25	-0.46
1972-73 SE OF DP		2.29	2.69	2.19	2.30	0.99	0.91	0.57	2.37	5.53	6.07	4.25	1.07	1.20	1.95	2.53	3.14	2.49	4.27	3.03	3.41	2.21
AGE: 13																						
1972-73 P-VALUE	6.77	6.60	8.85	4.88	7.19	7.29	6.29	6.44	8.70	7.02	10.44	7.69	6.59	5.44	8.92	9.28	8.62	2.23	6.82	7.34	8.41	6.66
1972-73 SE OF P-VAL	0.62	1.21	1.03	0.85	1.66	0.92	0.76	0.66	1.01	2.54	2.91	2.13	0.95	0.92	1.72	2.51	1.98	0.83	1.71	1.83	1.98	0.88
1972-73 DELTA-P		-0.17	2.08*	-1.89*	0.42	0.52	-0.48	-0.33	1.93	0.25	3.67	0.92	-0.18	-1.33	2.15	2.51	1.85	-4.54#	0.05	0.57	1.64	-0.11
1972-73 SE OF DP		1.06	0.99	0.84	1.31	0.60	0.55	0.24	1.00	2.30	2.81	2.01	0.84	0.71	1.55	2.35	1.88	0.86	1.59	1.71	1.79	0.83
AGE: 17																						
1972-73 P-VALUE	4.23	4.74	3.15	3.39	5.58	3.28	5.04	3.89	5.27	6.46	5.20	6.32	4.13	3.56	4.03	3.14	4.46	1.59	5.52	7.29	3.05	3.94
1972-73 SE OF P-VAL	0.63	1.20	0.90	1.22	1.48	0.82	0.87	0.67	1.17	2.70	1.71	1.72	1.23	0.77	2.05	1.22	1.41	0.89	2.67	2.28	1.25	0.97
1972-73 DELTA-P		0.51	-1.08	-0.84	1.35	-0.95	0.81	-0.34	1.04	2.23	0.97	2.09	-0.10	-0.67	-0.20	-1.09	0.23	-2.64#	1.29	3.06	-1.18	-0.29
1972-73 SE OF DP		1.01	0.93	1.02	1.25	0.60	0.52	0.25	1.10	2.50	1.71	1.39	0.95	0.60	2.18	1.28	1.39	0.96	2.60	1.96	1.24	0.79

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part D.

RESPONSE: 03 AGE: Ad TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.59	6.59	9.22	7.61	7.17	5.37	9.65	6.64	14.97	8.12	11.23	4.77	5.42	6.12	26.11	9.20	11.52	4.55	4.65	5.77	7.13	8.70
1972-73 SE OF P-VAL	0.92	1.86	2.09	1.89	1.57	0.85	1.31	0.91	2.53	4.17	2.94	1.23	0.94	1.59	7.52	2.18	2.07	2.32	2.70	1.22	1.81	1.76
1972-73 DELTA-P		-1.00	1.63	0.02	-0.42	-2.22#	2.06#	-0.95*	7.38#	0.53	3.64*	-2.82*	-2.17*	-1.47	18.52#	1.61	3.93	-3.04	-2.94	-1.82	-0.46	1.11
1972-73 SE OF DP		1.63	1.85	1.53	1.43	0.65	0.62	0.39	2.29	3.97	1.49	1.19	0.98	1.37	7.16	1.99	2.06	2.23	2.63	1.36	1.75	1.13

EXERCISE: 203008-1234 UB228

Part E.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.56	4.11	2.15	2.30	1.65	2.49	2.62	2.12	4.58	3.40	2.09	4.42	1.86	1.49	4.44	3.06	6.49	2.54	3.03	2.26	0.88	1.87
1972-73 SE OF P-VAL	0.38	0.95	0.53	0.83	0.6[illegible]	0.58	0.50	0.38	1.16	1.29	1.43	2.36	0.45	0.58	0.84	1.27	1.57	1.56	1.31	1.16	0.38	0.6[illegible]
1972-73 DELTA-P		1.55	-0.41	-0.26	-0.91	-0.07	0.06	-0.44*	2.02*	0.84	-0.47	1.86	-0.70	-1.07*	1.88#	0.50	3.93#	-0.02	1.07	-0.30	-1.68#	-0.69
1972-73 SE OF DP		0.78	0.53	0.69	0.57	0.40	0.37	0.21	1.00	1.24	1.34	2.27	0.55	0.44	0.67	1.25	1.50	1.40	1.24	1.09	0.47	0.57

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.51	0.38	0.52	1.09	0.00	0.52	0.50	0.36	1.65	0.00	0.67	0.69	0.44	0.30	1.15	2.89	0.62	0.11	0.57	0.00	0.37	0.28
1972-73 SE OF P-VAL	0.25	0.21	0.25	0.84	0.00	0.27	0.26	0.29	0.56	0.00	0.67	0.48	0.22	0.28	0.57	2.65	0.37	0.12	0.40	0.00	0.37	0.15
1972-73 DELTA-P		-0.13	0.01	0.58	-0.51#	0.01	-0.01	-0.15	1.14*	-0.51#	0.16	0.18	-0.07	-0.21*	0.64	2.38	0.11	-0.40	0.06	-0.51*	-0.14	-0.23
1972-73 SE OF DP		0.29	0.31	0.61	0.25	0.10	0.09	0.09	0.54	0.25	0.67	0.52	0.12	0.10	0.38	2.43	0.42	0.27	0.43	0.25	0.40	0.26

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.05	1.16	2.92	0.28	0.19	1.11	1.00	0.57	3.64	1.62	0.74	3.14	0.45	0.39	4.76	0.00	1.03	0.00	15.71	0.00	0.00	0.11
1972-73 SE OF P-VAL	0.63	0.55	2.96	0.28	0.18	0.99	0.40	0.39	2.30	1.15	0.74	2.95	0.29	0.35	2.61	0.00	0.53	0.00	9.08	0.00	0.00	0.11
1972-73 DELTA-P		0.11	1.87	-0.77	-0.86	0.06	-0.05	-0.48	2.59	0.57	-0.31	2.09	-0.60	-0.66*	3.71	-1.05	-0.02	-1.05	14.66	-1.05	-1.05	-0.94
1972-73 SE OF DP		0.73	2.36	0.66	0.65	0.40	0.34	0.29	1.69	1.15	1.01	2.35	0.40	0.29	2.54	0.63	0.77	0.63	8.49	0.63	0.63	0.63

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21

RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	40.80	37.94	39.5[illegible]	44.54	41.03	45.27	36.70	43.81	27.74	33.80	34.37	44.75	39.96	47.06	34.48	35.64	26.19	46.19	33.66	40.65	47.83	43.40
1972-73 SE OF P-VAL	1.30	2.84	2.[illegible]5	2.38	2.38	2.02	1.69	1.50	2.42	4.12	5.23	5.18	2.45	2.13	2.50	3.93	3.11	4.93	3.28	4.25	4.46	1.89
1972-73 DELTA-P		-2.86	-1.23	3.74	0.23	4.47#	-4.10#	3.01#	-13.06#	-7.00	-6.43	6.05	-0.84	6.26#	-6.32#	-5.16	-14.61#	5.39	-7.14*	-0.15	7.03	2.60
1972-73 SE OF DP		2.41	2.40	2.11	2.16	1.37	1.25	0.58	2.35	4.05	5.55	5.08	2.09	1.45	2.09	3.54	3.34	4.61	3.20	3.95	4.11	1.72

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	64.91	65.93	56.36	70.07	65.67	71.06	59.25	69.77	40.52	52.87	59.09	55.53	63.43	73.48	50.07	55.49	50.12	77.82	56.33	66.21	68.93	66.54
1972-73 SE OF P-VAL	1.77	2.13	5.37	3.79	2.19	2.10	2.14	1.78	3.45	3.69	5.11	4.18	2.37	2.19	3.40	8.73	5.11	3.54	4.74	3.00	3.64	2.74
1972-73 DELTA-P		1.02	-8.55	5.14	0.76	6.15#	-5.66#	4.86#	-24.39#	-12.04#	-5.82	-9.38*	-1.48	8.57#	-14.84#	-9.42	-14.75#	12.91#	-8.58	1.30	4.02	1.63
1972-73 SE OF DP		2.33	4.38	3.09	2.33	1.17	1.10	0.73	3.19	4.05	4.55	4.20	1.84	1.48	2.88	8.11	4.99	3.45	4.53	3.12	3.40	2.22

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	77.80	76.16	72.83	81.73	79.42	84.31	72.23	83.27	53.80	59.10	67.87	69.71	76.35	84.21	67.85	76.98	62.05	85.86	48.21	83.03	79.92	82.02
1972-73 SE OF P-VAL	1.31	2.33	3.61	2.69	2.03	1.86	1.51	1.31	2.70	3.95	4.15	3.68	2.08	1.54	4.09	4.27	4.56	3.59	5.29	2.52	3.45	1.58
1972-73 DELTA-P		-1.64	-4.97	3.93	1.62	6.51#	-5.57#	5.47#	-24.00#	-18.70#	-9.93#	-8.09*	-1.45	6.41#	-9.95#	-0.82	-15.75#	8.00*	-29.59#	5.23*	2.12	4.22#
1972-73 SE OF DP		2.05	3.09	2.21	1.97	1.20	0.97	0.83	2.57	3.86	3.85	3.45	1.47	1.19	3.88	4.17	4.16	3.48	5.14	2.35	3.40	1.49

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	70.33	67.19	67.99	70.51	74.97	80.92	60.48	73.89	50.70	53.27	63.26	69.67	73.20	77.57	44.45	73.23	54.10	75.67	71.74	72.31	68.82	71.27
1972-73 SE OF P-VAL	1.51	2.66	3.82	2.95	2.83	1.85	1.91	1.39	3.74	7.87	2.41	3.04	2.47	2.65	7.47	4.67	5.03	3.79	5.43	4.42	5.24	1.81
1972-73 DELTA-P		-3.14	-2.34	0.18	4.64	10.[illegible]9#	-9.85#	3.56#	-19.63#	-17.06*	-7.07#	-0.66	2.87	7.24#	-25.88#	2.90	-16.23#	5.34	1.41	1.98	-1.51	0.94
1972-73 SE OF DP		2.45	3.30	2.44	2.48	1.25	1.17	0.70	3.43	7.43	2.21	2.60	1.94	2.12	7.38	4.35	4.64	3.60	5.08	4.19	4.84	1.51

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part E.

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.45	6.45	5.98	4.70	4.66	5.10	5.77	5.81	3.11	6.28	7.40	5.44	5.45	4.06	7.13	7.42	7.22	7.10	6.14	3.30	5.54	4.33
1972-73 SE OF P-VAL	0.62	1.17	1.46	1.43	0.76	0.84	0.75	0.71	0.81	1.91	3.21	2.28	1.23	0.90	1.20	2.26	2.21	2.38	1.72	1.12	1.19	0.91
1972-73 DELTA-P		1.00	0.53	-0.75	-0.79	-0.35	[illegible]	0.36	-2.34#	0.83	1.95	-0.01	0.00	-1.39	1.68	1.97	1.77	1.65	0.69	-2.15	0.09	-1.12
1972-73 SE OF DP		1.04	1.21	1.17	0.83	0.51	0.47	0.20	0.81	1.80	3.04	2.19	1.06	0.77	1.02	2.08	2.22	2.15	1.57	1.10	1.19	0.71
AGE: 13																						
1972-73 P-VALUE	4.90	4.23	4.72	4.47	6.15	3.17	6.49	3.82	9.86	8.64	5.39	5.00	4.30	3.57	10.12	7.88	6.81	3.42	7.21	5.73	3.38	3.85
1972-73 SE OF P-VAL	0.43	0.75	0.75	1.07	0.79	0.51	0.78	0.46	[illegible]	2.55	1.83	2.14	0.68	0.62	1.64	2.02	1.22	0.88	1.97	1.56	1.08	0.67
1972-73 DELTA-P		-0.67	-0.18	-0.43	1.25	-1.73#	1.59#	-1.08#	4.96#	3.74	0.49	0.10	-0.60	-1.33#	5.22#	2.98	1.91	-1.48	2.31	0.83	-1.52	-1.05
1972-73 SE OF DP		0.69	0.71	0.84	0.71	0.52	0.48	0.27	1.40	2.51	1.73	2.00	0.60	0.53	1.56	1.90	1.30	0.81	1.90	1.46	1.07	0.58
AGE: 17																						
1972-73 P-VALUE	2.93	3.57	3.45	2.35	2.40	1.40	4.24	2.05	6.93	5.67	6.89	3.88	3.14	2.08	1.40	2.80	4.85	1.22	10.30	3.36	2.26	1.76
1972-73 SE OF P-VAL	0.32	0.61	0.56	0.70	0.62	0.38	0.50	0.30	1.45	2.00	2.05	0.91	0.71	0.53	0.96	1.65	1.49	0.73	3.38	0.85	0.81	0.36
1972-73 DELTA-P		0.64	0.52	-0.58	-0.53	-1.53#	1.31#	-0.88#	4.00#	2.74	3.96	0.95	0.21	-0.85	-1.53	-0.13	1.92	-1.71*	7.37*	0.43	-0.67	-1.17#
1972-73 SE OF DP		0.52	0.54	0.57	0.55	0.31	0.30	0.24	1.30	1.96	2.03	0.90	0.57	0.45	0.96	1.60	1.39	0.78	3.25	0.84	0.80	0.40
AGE: Ad																						
1972-73 P-VALUE	8.46	9.42	9.58	7.65	7.55	4.36	12.27	6.67	19.16	15.49	11.94	6.21	7.27	5.61	26.35	5.82	15.41	9.43	11.73	3.67	8.53	7.72
1972-73 SE OF P-VAL	0.83	1.78	1.56	1.55	1.70	0.85	1.30	0.68	3.76	5.25	1.52	1.57	1.38	1.46	7.20	1.19	3.86	2.16	4.16	1.65	2.88	1.13
1972-73 DELTA-P		0.96	1.12	-0.81	-0.91	-4.10#	3.81#	-1.79#	10.70#	7.03	3.48#	-2.25	-1.19	-2.85*	17.89#	-2.64	6.95*	0.97	3.27	-4.79#	0.07	-0.74
1972-73 SE OF DP		1.52	1.46	[illegible]	1.43	0.76	0.71	0.51	3.35	5.07	1.33	1.49	1.12	1.27	6.95	1.34	3.44	2.03	3.89	1.55	2.82	1.11

EXERCISE: 203008-1234 UB228

Part F.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.61	5.71	8.16	3.21	5.43	5.16	6.02	4.43	10.46	8.93	15.23	4.78	7.78	1.98	7.65	12.34	10.12	2.70	5.33	4.13	4.91	4.76
1972-73 SE OF P-VAL	0.86	1.64	2.58	0.77	1.34	0.87	1.07	0.78	2.57	3.58	5.21	2.15	1.54	0.48	1.48	3.48	3.94	0.93	1.45	1.33	1.45	1.11
1972-73 DELTA-P		0.10	2.55	-2.40*	-0.18	-0.45	0.41	-1.18#	4.85*	3.32	9.62*	-0.83	2.17	-3.63#	2.04	6.73*	4.51	-2.91#	-0.28	-1.48	-0.70	-0.85
1972-73 SE OF DP		1.44	2.01	1.01	1.29	0.48	0.45	0.46	2.08	3.38	4.66	1.86	1.13	0.71	1.16	2.98	3.66	1.11	1.51	1.40	1.48	0.72
AGE: 13																						
1972-73 P-VALUE	9.78	7.04	12.71	7.41	12.44	9.76	9.80	5.99	26.84	23.42	18.01	[illegible]	9.07	4.18	24.05	[illegible]	30.30	3.25	12.12	9.00	5.70	7.09
1972-73 SE OF P-VAL	0.87	1.48	2.17	1.46	1.84	1.06	1.09	0.83	3.03	4.38	2.55	2.08	1.26	0.77	2.60	[illegible]	3.35	1.22	2.67	2.37	2.27	1.38
1972-73 DELTA-P		-2.74*	2.93	-2.37	2.66	-0.02	0.02	-3.79#	17.06#	13.64#	8.23#	0.94	-0.71	-5.60#	14.27#	[illegible]	20.52#	-6.53#	2.34	-0.78	-4.08	-2.69*
1972-73 SE OF DP		1.35	1.83	1.31	1.57	0.67	0.61	0.54	2.88	4.38	2.46	1.99	0.94	0.79	2.15	3.17	3.27	1.31	2.78	2.28	2.16	1.08
AGE: 17																						
1972-73 P-VALUE	5.73	5.77	8.39	4.16	5.21	5.05	6.31	3.30	[illegible]	8.55	11.53	7.74	5.93	2.83	14.48	3.98	15.05	1.70	24.16	4.58	3.57	2.71
1972-73 SE OF P-VAL	0.89	1.18	3.60	0.96	1.06	1.31	0.82	0.58	[illegible]	3.28	2.93	3.25	0.99	0.64	3.32	1.91	3.16	0.99	[illegible]	1.15	1.03	0.54
1972-73 DELTA-P		0.04	2.66	-1.57	-0.52	-0.68	0.58	-2.43#	13.09#	2.82	5.80*	2.01	0.20	-2.90#	8.75#	-1.75	9.32#	-4.03#	18.43*	-1.15	-2.16	-3.02#
1972-73 SE OF DP		1.19	2.91	1.09	1.17	0.66	0.56	0.55	2.59	3.05	2.77	2.57	0.71	0.68	3.13	[illegible]	2.73	1.34	7.65	1.13	1.33	0.91
AGE: Ad																						
1972-73 P-VALUE	7.35	9.62	7.56	7.11	5.33	4.22	10.26	5.98	15.31	13.15	9.72	3.67	7.51	5.10	23.02	3.00	12.35	6.63	13.26	5.12	5.29	7.26
1972-73 SE OF P-VAL	0.75	1.58	1.35	1.46	1.49	0.91	1.16	0.62	3.41	4.77	1.54	0.95	1.55	1.39	7.23	1.30	3.37	1.52	3.26	2.33	2.80	0.94
1972-73 DELTA-P		2.27	0.21	-0.24	-2.02	-3.13#	2.91#	-1.37#	7.96#	5.80	2.37	-3.68#	0.16	-2.25	15.67*	-4.35#	5.00	-0.72	5.91	-2.23	-2.06	-0.09
1972-73 SE OF DP		1.36	1.27	1.21	1.27	0.78	0.71	0.48	3.06	4.56	1.44	0.99	1.21	1.22	7.12	1.48	2.97	1.42	3.03	2.06	2.67	1.04

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	31.63	31.69	28.20	35.04	31.46	37.88	25.90	35.73	12.62	24.72	18.67	19.21	30.02	40.63	24.16	25.82	13.30	39.27	27.41	32.50	37.15	33.61
1972-73 SE OF P-VAL	1.29	2.82	2.43	2.15	2.85	1.80	1.69	1.51	2.05	4.53	3.79	4.29	2.41	2.16	2.45	3.92	2.26	4.77	3.68	3.63	3.92	2.35
1972-73 DELTA-P		0.06	-3.43	3.41	-0.17	6.25#	-5.73#	4.10#	-19.01#	-6.91	-12.96#	-12.42#	-1.61	9.00#	-7.47#	-5.81	-18.33#	7.64	-4.22	0.87	5.52	1.98
1972-73 SE OF DP		2.37	2.14	1.97	2.43	1.19	1.12	0.67	2.14	4.36	4.04	4.16	2.11	1.57	2.06	3.68	2.46	4.55	3.64	3.44	3.64	1.90

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part F.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	58.37	59.76	46.81	66.08	58.60	64.00	53.19	65.80	21.83	38.27	36.25	43.69	56.80	71.99	39.34	48.75	29.54	76.52	52.14	60.41	62.61	60.42
1972-73 SE OF P-VAL	1.88	2.71	4.76	4.07	3.06	2.14	2.19	1.90	2.45	4.70	4.57	3.71	2.29	2.24	3.36	8.94	4.65	3.11	5.42	4.18	3.97	2.73
1972-73 DELTA-P		1.39	-11.56#	7.71*	0.23	5.63#	-5.18#	7.43#	-36.54#	-20.10#	-22.12#	-14.68#	-1.57	13.62#	-19.03#	-9.62	-28.83#	18.15#	-6.23	2.04	4.24	2.05
1972-73 SE OF DP		2.69	4.01	3.29	2.84	1.08	1.01	1.00	2.91	4.95	[illegible]	3.89	1.87	1.39	2.96	8.34	4.66	3.15	5.11	4.15	3.80	2.38
AGE: 17																						
1972-73 P-VALUE	74.39	74.51	68.46	77.89	75.29	80.21	69.41	81.10	44.17	53.30	56.94	66.34	73.35	82.25	60.47	71.77	54.70	83.52	43.42	81.33	77.85	78.90
1972-73 SE OF P-VAL	1.54	2.40	3.93	3.39	2.70	2.04	1.68	1.36	2.96	4.37	4.90	3.95	2.33	1.59	4.65	4.29	5.09	3.88	5.53	2.87	3.70	1.69
1972-73 DELTA-P		0.12	-5.93	3.50	0.90	5.82#	-4.98#	6.71#	-30.22#	-21.09#	-17.45#	-8.05*	-1.04	7.86#	-13.92#	-2.62	-19.69#	9.13*	-30.97#	6.94#	3.46	4.51#
1972-73 SE OF DP		2.22	3.42	2.72	2.50	1.15	0.98	1.04	2.55	4.20	4.57	3.67	1.56	1.28	4.28	4.18	4.52	3.78	5.25	2.62	3.76	1.66
AGE: Ad																						
1972-73 P-VALUE	66.89	63.05	63.64	67.48	72.46	77.47	57.05	70.88	43.61	50.14	58.38	65.71	70.83	75.90	30.51	71.05	50.56	73.76	67.49	69.16	65.11	67.26
1972-73 SE OF P-VAL	1.48	2.66	3.42	2.94	2.85	1.85	1.91	1.40	3.97	7.83	2.30	2.98	2.39	2.62	6.33	4.62	5.40	3.49	6.17	4.62	5.14	1.84
1972-73 DELTA-P		-3.84	-3.25	0.59	5.57*	10.58#	-9.84#	3.99#	-23.28#	-16.75*	-8.51#	-1.18	3.94*	9.01#	-36.38#	4.16	-16.33#	6.87*	0.60	2.27	-1.78	0.37
1972-73 SE OF DP		2.43	3.02	2.41	2.46	1.27	1.21	0.72	3.83	7.44	2.22	2.70	1.76	2.11	6.34	4.41	4.94	3.37	5.86	4.36	4.84	1.57
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	16.50	13.53	21.01	15.81	15.62	14.47	18.36	15.46	22.31	16.06	22.68	20.58	16.20	12.43	20.89	24.06	20.02	12.12	13.03	14.33	15.67	17.76
1972-73 SE OF P-VAL	1.03	2.32	2.09	2.00	1.81	1.34	1.33	1.13	2.92	2.73	3.40	4.34	2.18	1.76	1.57	3.39	2.84	[illegible]	2.55	2.37	2.46	2.32
1972-73 DELTA-P		-2.97	4.51*	-0.69	-0.88	-2.03*	1.86*	-1.04	5.81*	-0.44	6.18	4.08	-0.30	-4.07#	4.39#	7.56*	3.52	-4.38	-3.47	-2.17	-0.83	1.26
1972-73 SE OF DP		1.94	1.82	1.73	1.66	0.88	0.82	0.54	2.65	2.65	3.36	4.02	1.90	1.40	1.37	3.48	2.90	3.40	2.34	2.27	2.37	1.93
AGE: 13																						
1972-73 P-VALUE	3.19	3.10	5.73	1.91	2.50	2.91	3.45	2.55	6.11	5.46	7.78	6.17	2.48	1.84	5.08	6.49	7.22	1.14	1.41	1.60	2.50	3.52
1972-73 SE OF P-VAL	0.34	0.71	0.71	0.43	0.80	0.50	0.62	0.37	1.23	2.13	1.90	1.99	0.59	0.42	1.28	2.34	1.56	0.66	0.76	0.82	0.64	0.59
1972-73 DELTA-P		-0.09	2.54#	-1.28#	-0.69	-0.28	0.26	-0.64#	2.92*	2.27	4.59#	2.98	-0.71	-1.35#	1.89	3.30	4.03#	-2.05#	-1.78*	-1.59*	-0.69	0.33
1972-73 SE OF DP		0.61	0.63	0.45	0.65	0.47	0.43	0.24	1.18	2.00	1.75	1.93	0.59	0.39	1.16	2.21	1.47	0.69	0.76	0.76	0.65	0.54
AGE: 17																						
1972-73 P-VALUE	1.12	1.18	1.58	0.16	1.78	0.17	1.93	0.86	1.90	2.86	2.01	2.12	0.50	0.95	2.34	0.56	0.59	0.26	2.29	1.06	1.82	1.29
1972-73 SE OF P-VAL	0.21	0.48	0.52	0.13	0.52	0.10	0.40	0.22	0.51	1.96	0.73	0.71	0.26	0.37	1.31	0.41	0.43	0.26	1.45	0.71	0.86	0.33
1972-73 DELTA-P		0.06	0.46	-0.96#	0.66	-0.95#	0.81#	-0.26*	0.78	1.74	0.89	1.00	-0.62#	-0.17	1.22	-0.56	-0.53	-0.86#	1.17	-0.06	0.70	0.17
1972-73 SE OF DP		0.38	0.45	0.23	0.44	0.22	0.20	0.13	0.47	1.90	0.75	0.67	0.24	0.28	1.23	0.46	0.47	0.31	1.40	0.64	0.79	0.27
AGE: Ad																						
1972-73 P-VALUE	4.59	4.64	6.68	3.78	3.74	2.92	6.14	3.61	11.39	6.69	6.82	5.10	2.87	2.34	18.99	6.60	8.06	4.14	0.52	3.40	6.85	4.12
1972-73 SE OF P-VAL	0.70	1.58	1.61	1.41	1.04	0.70	1.09	0.67	3.19	2.97	1.58	1.70	0.90	0.85	6.89	1.66	2.05	1.95	0.54	1.12	2.81	1.18
1972-73 DELTA-P		0.05	2.09	-0.81	-0.85	-1.67#	1.55#	-0.98#	6.80*	2.10	2.23	0.51	-1.72*	-2.25*	14.40*	2.01	3.47	-0.45	-4.07#	-1.19	2.26	-0.47
1972-73 SE OF DP		1.33	1.44	1.15	1.01	0.63	0.58	0.37	2.93	2.88	1.31	1.43	0.75	0.90	6.76	1.64	1.98	1.61	0.86	1.16	2.55	0.83

EXERCISE: 203008-1234 UB228

Part G.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	3.23	3.60	4.74	2.36	2.19	2.52	3.88	3.02	4.59	2.77	1.50	2.22	1.77	2.67	5.66	5.69	5.56	3.82	1.59	3.14	3.76	2.10
1972-73 SE OF P-VAL	0.60	1.06	1.38	1.31	0.89	0.63	0.87	0.70	1.16	1.56	1.06	2.12	0.45	0.93	1.58	1.64	1.71	2.42	0.82	1.46	2.65	0.65
1972-73 DELTA-P		0.37	1.51	-0.87	-1.04	-0.71	0.65	-0.21	1.36	-0.46	-1.73	-1.01	-1.46*	-0.56	2.43*	2.46	2.33	0.59	-1.64	-0.09	0.53	-1.13
1972-73 SE OF DP		0.96	1.14	1.09	0.87	0.50	0.46	0.24	1.10	1.55	1.18	2.26	0.64	0.71	1.21	1.69	1.62	2.14	0.87	1.39	2.36	0.76
AGE: 13																						
1972-73 P-VALUE	0.46	0.13	0.56	0.77	0.35	0.47	0.45	0.50	0.43	0.00	1.27	0.00	0.14	0.44	1.11	3.22	0.54	0.29	0.32	0.00	0.37	0.08
1972-73 SE OF P-VAL	0.21	0.14	0.42	0.63	0.25	0.27	0.23	0.25	0.35	0.00	1.25	0.00	0.14	0.30	0.62	2.15	0.53	0.30	0.31	0.00	0.35	0.08
1972-73 DELTA-P		-0.33	0.10	0.31	-0.11	0.01	-0.01	0.04	-0.03	-0.46*	0.81	-0.46*	-0.32	-0.02	0.65	2.76	0.08	-0.17	-0.14	-0.46*	-0.09	-0.38
1972-73 SE OF DP		0.23	0.38	0.47	0.27	0.14	0.13	0.07	0.37	0.21	1.18	0.21	0.23	0.17	0.48	1.97	0.53	0.34	0.35	0.21	0.37	0.22

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 08228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part G.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	1.19	1.42	3.11	0.28	0.30	1.19	1.19	0.61	4.20	2.09	1.15	3.13	0.45	0.48	6.00	0.00	1.27	0.00	17.06	0.00	0.00	0.22
1972-73 SE OF P-VAL	0.66	0.92	2.96	0.28	0.22	0.99	0.50	0.39	2.50	1.19	0.82	2.95	0.29	0.36	3.69	0.00	0.56	0.00	9.35	0.00	0.00	0.15
1972-73 DELTA-P		0.23	1.92	-0.91	-0.89	0.00	0.00	-0.58	3.01	0.90	-0.04	1.94	-0.74	-0.71*	4.81	-1.19	0.08	-1.19	15.87	-1.19	-1.19	-0.97
1972-73 SE OF DP		0.86	2.37	0.68	0.68	0.43	0.37	0.34	1.88	1.11	1.10	2.35	0.44	0.34	3.53	0.66	0.79	0.66	8.74	0.66	0.66	0.66
AGE: Ad																						
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	28.48	31.34	25.61	29.42	27.46	29.49	27.55	28.41	30.16	25.59	19.41	23.33	30.62	25.10	28.41	22.39	33.96	35.32	29.58	26.12	29.50	26.10
1972-73 SE OF P-VAL	1.04	2.33	2.01	1.93	1.96	1.66	1.46	1.23	1.98	2.88	4.14	3.63	1.82	1.96	1.88	2.65	3.07	3.77	2.57	2.92	2.97	1.75
1972-73 DELTA-P		2.86	-2.87	0.94	-1.02	1.01	-0.93	-0.07	1.68	-2.89	-9.07*	-5.15	2.14	0.62	-0.07	-6.09*	5.42	6.84*	1.10	-2.36	1.02	-2.38
1972-73 SE OF DP		1.95	1.75	1.69	1.75	1.21	1.11	0.44	1.85	2.97	4.43	3.62	1.74	1.33	1.62	2.55	3.04	3.32	2.67	2.60	2.82	1.46
AGE: 13																						
1972-73 P-VALUE	31.88	31.18	28.66	35.03	31.90	33.99	29.94	32.94	25.53	31.41	33.58	22.67	28.19	36.56	24.20	33.51	32.54	40.45	33.92	28.39	35.67	27.36
1972-73 SE OF P-VAL	1.16	2.59	1.55	2.08	2.71	1.51	1.59	1.25	2.51	5.92	3.96	2.76	1.82	1.67	2.45	3.81	5.42	2.50	3.48	3.64	3.49	1.63
1972-73 DELTA-P		-0.70	-3.22	3.15	0.02	2.11	-1.94	1.06*	-6.35#	-0.47	1.70	-9.21#	-3.69#	6.68#	-7.68#	1.63	0.66	6.57#	2.04	-3.49	3.79	-4.52#
1972-73 SE OF DP		2.18	1.63	1.81	2.21	1.09	0.99	0.51	2.50	5.56	3.99	2.89	1.34	1.16	2.17	3.94	5.18	2.25	3.20	3.24	3.35	1.54
AGE: 17																						
1972-73 P-VALUE	39.76	38.60	29.44	43.60	45.67	44.66	35.57	43.50	24.67	24.01	30.36	12.29	34.99	47.86	32.72	29.79	31.30	53.79	30.58	43.79	41.51	39.20
1972-73 SE OF P-VAL	1.48	3.38	3.11	2.09	3.20	1.90	2.08	1.57	3.42	4.54	3.87	2.95	2.03	2.18	4.40	3.72	2.44	4.90	3.49	3.72	4.53	2.05
1972-73 DELTA-P		-1.16	-10.32#	3.84	5.91*	4.90#	-4.19#	3.74#	-15.09#	-15.75#	-9.40#	-7.47*	-4.77#	8.10*	-7.04	-9.97#	-8.46#	14.03#	-9.20#	4.03	1.75	-0.56
1972-73 SE OF DP		2.71	2.83	2.03	2.76	1.47	1.26	0.65	3.38	4.51	3.34	3.04	1.77	1.37	4.07	3.60	2.60	4.51	3.59	3.49	4.19	1.66
AGE: Ad																						
1972-73 P-VALUE	41.33	40.33	36.37	39.33	48.54	51.60	31.78	45.06	21.73	21.67	33.61	35.59	42.77	52.83	27.10	40.58	30.77	47.69	41.78	42.46	43.96	40.60
1972-73 SE OF P-VAL	1.43	2.83	2.90	2.76	2.83	1.85	1.59	1.60	3.33	4.25	2.51	2.65	2.62	2.62	7.44	5.16	4.07	4.08	5.06	5.60	2.58	2.50
1972-73 DELTA-P		-1.00	-4.96	-2.00	7.21#	10.27#	-9.55#	3.73#	-19.60#	-19.66#	-7.72#	-5.74*	1.44	11.50#	-14.23	-0.75	-10.56#	6.36	6.45	1.13	2.63	-0.73
1972-73 SE OF DP		2.49	2.62	2.31	2.41	1.14	0.93	0.65	3.45	4.20	2.13	2.48	2.10	2.33	7.21	4.96	4.10	3.95	4.90	5.44	2.33	1.75
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.59	5.04	5.58	3.36	4.42	4.40	4.76	4.36	5.22	5.88	4.20	4.82	3.01	4.28	6.31	3.96	9.22	3.62	3.06	6.47	6.03	3.19
1972-73 SE OF P-VAL	0.58	0.90	1.77	0.86	0.84	0.75	0.73	0.63	1.39	2.54	2.09	2.39	0.82	0.82	1.26	1.45	2.80	1.68	1.11	1.50	2.46	0.83
1972-73 DELTA-P		0.45	0.99	-1.23	-0.17	-0.19	0.17	-0.23	0.63	1.29	-0.39	0.23	-1.58*	-0.31	1.72	-0.63	4.63	-0.97	-1.51	1.88	1.44	-1.40*
1972-73 SE OF DP		0.84	1.37	0.83	0.84	0.47	0.44	0.32	1.21	2.43	2.03	2.29	0.76	0.58	1.05	1.43	2.71	1.66	1.19	1.47	2.20	0.64
AGE: 13																						
1972-73 P-VALUE	8.38	10.07	8.86	5.93	8.99	8.13	8.61	6.97	14.96	12.98	10.67	9.20	7.72	6.89	12.94	7.79	12.88	5.68	9.47	9.40	8.10	7.88
1972-73 SE OF P-VAL	0.56	1.39	0.85	0.88	1.26	0.79	0.84	0.60	1.63	2.90	1.89	2.37	1.61	0.57	1.79	1.59	2.42	1.64	1.94	1.43	1.78	1.01
1972-73 DELTA-P		1.69	0.48	-2.45#	0.61	-0.25	0.23	-1.41#	6.58#	4.60	2.29	0.82	-0.66	-1.49	4.56#	-0.59	4.50	-2.70	1.09	1.02	-0.28	-0.50
1972-73 SE OF DP		1.13	0.85	0.83	1.04	0.62	0.57	0.33	1.60	2.72	1.88	2.30	0.87	0.78	1.66	1.64	2.28	1.55	1.84	1.27	1.71	0.88
AGE: 17																						
1972-73 P-VALUE	6.77	6.80	8.10	5.69	6.85	5.50	7.86	5.82	8.87	14.68	12.25	8.07	7.69	4.22	11.28	9.12	8.12	3.24	7.10	7.78	4.61	7.09
1972-73 SE OF P-VAL	0.58	1.38	1.28	0.88	1.03	0.83	0.88	0.60	1.97	3.81	2.67	1.42	1.12	0.70	3.60	2.20	1.37	1.51	2.69	2.04	1.30	0.90
1972-73 DELTA-P		0.03	1.33	-1.08	0.08	-1.27	1.09	-0.95#	2.10	7.91*	5.48*	1.33	0.92	-2.55#	4.51	2.35	1.35	-3.53*	0.33	1.01	-2.16	0.32
1972-73 SE OF DP		1.09	1.14	0.83	0.95	0.68	0.59	0.38	1.79	3.70	2.55	1.30	[illegible]	0.64	3.48	2.13	1.30	1.48	2.57	1.83	1.27	0.79
AGE: Ad																						
1972-73 P-VALUE	12.04	13.73	13.90	11.64	9.40	7.86	15.92	10.33	22.64	17.98	17.30	12.04	9.08	8.58	19.27	12.57	20.58	6.04	15.45	9.35	12.80	11.79
1972-73 SE OF P-VAL	0.94	2.16	1.12	1.91	1.87	1.00	1.43	0.88	3.03	5.74	1.81	2.15	1.67	1.58	5.50	2.22	4.14	1.70	3.13	2.81	1.62	1.31
1972-73 DELTA-P		1.69	1.86	-0.40	-2.64	-4.18#	3.88#	-1.71#	10.60#	5.94	5.26#	0.00	-2.16	-3.46*	7.23	0.53	8.54*	-6.00#	3.41	-2.69	0.76	-0.25
1972-73 SE OF DP		1.81	1.27	1.55	1.59	0.86	0.80	0.49	2.74	5.48	1.49	2.02	1.37	1.42	5.39	2.25	3.71	1.77	3.03	2.46	1.69	1.03

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part N.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	5.29	4.29	7.71	4.18	5.00	5.26	5.32	4.09	10.35	8.43	12.00	4.85	5.74	3.09	7.03	11.48	6.66	1.04	4.91	5.70	5.73	4.75
1972-73 SE OF P-VAL	0.91	1.14	2.78	1.30	1.43	0.88	1.17	0.89	2.20	3.76	5.46	2.25	1.28	0.90	1.26	5.39	2.26	0.52	1.67	1.61	1.27	1.08
1972-73 DELTA-P		-1.00	2.42	-1.11	-0.29	-0.03	0.03	-1.20#	5.06#	3.14	6.71	-0.44	0.45	-2.20#	1.74	6.19	1.37	-4.25#	-0.38	0.41	0.44	-0.54
1972-73 SE OF DP		1.21	2.14	1.28	1.38	0.53	0.49	0.40	1.75	3.58	4.84	1.99	0.90	0.61	1.17	4.69	2.20	0.99	1.65	1.57	1.43	0.81
AGE: 13																						
1972-73 P-VALUE	12.60	12.44	16.14	9.58	12.99	13.34	11.92	9.35	30.68	16.88	20.32	17.61	11.79	7.08	24.89	16.74	25.61	6.79	13.88	12.77	10.46	10.02
1972-73 SE OF P-VAL	0.89	2.14	1.83	1.54	1.67	1.23	1.30	0.92	2.89	3.14	4.67	2.55	1.29	0.82	2.10	5.15	4.18	1.63	2.71	2.28	2.98	1.10
1972-73 DELTA-P		-0.16	3.54*	-3.02*	0.39	0.74	-0.68	-3.25#	18.08#	4.28	7.72	5.01	-0.81	-5.52#	12.29#	4.14	17.01#	-5.81#	1.28	0.17	-2.14	-2.58*
1972-73 SE OF DP		1.77	1.63	1.38	1.47	0.94	0.87	0.68	2.62	3.23	4.34	2.55	1.00	0.62	1.88	4.91	3.93	1.73	2.60	2.24	2.79	1.16
AGE: 17																						
1972-73 P-VALUE	9.58	11.18	12.86	6.97	7.90	9.63	9.54	6.99	22.33	15.33	11.64	15.01	11.14	4.78	22.02	9.83	17.41	2.30	28.28	8.51	6.11	7.92
1972-73 SE OF P-VAL	0.89	1.92	2.70	1.38	1.20	1.40	1.02	0.77	2.84	3.38	2.65	3.70	1.52	0.74	4.56	2.32	2.13	1.05	7.42	2.23	2.08	0.90
1972-73 DELTA-P		1.60	3.28	-2.61*	-1.68	0.05	-0.04	-2.59#	12.75#	5.75	2.06	5.43	1.56	-4.80#	12.44#	0.25	[illegible]	-7.28#	18.70#	-1.07	-3.47	-1.66
1972-73 SE OF DP		1.59	2.27	1.27	1.25	0.89	0.76	0.57	2.60	3.17	[illegible]	3.25	1.27	0.75	4.45	2.40	[illegible]	1.13	6.97	2.14	2.00	1.01
AGE: Ad																						
1972-73 P-VALUE	10.89	13.61	11.54	10.89	7.83	7.15	14.37	9.48	20.74	13.80	13.94	10.42	9.32	8.74	21.61	9.50	[illegible]	7.82	17.65	6.42	10.66	9.89
1972-73 SE OF P-VAL	0.92	2.04	1.45	1.93	1.65	1.02	1.45	0.80	3.15	5.28	1.64	1.80	1.67	1.48	6.81	[illegible]	3.85	1.67	3.12	3.61	1.71	1.29
1972-73 DELTA-P		2.72	0.65	0.00	-3.06*	-3.74#	3.48#	-1.41#	9.85#	2.91	3.05*	-0.47	-1.57	-2.15	10.72	-1.39	6.94*	-3.07	6.80*	-2.47	-0.23	-1.00
1972-73 SE OF DP		1.72	1.43	1.55	1.46	0.93	0.83	0.43	2.68	5.08	1.42	1.66	1.30	1.28	6.63	2.64	3.37	1.75	3.10	3.13	1.88	1.16
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	17.58	22.60	13.97	18.22	15.38	19.81	15.53	19.20	10.64	13.50	5.43	8.72	18.15	21.20	[illegible]	12.18	12.84	24.48	19.08	13.48	18.93	17.97
1972-73 SE OF P-VAL	1.08	2.19	1.74	1.69	2.64	1.41	1.44	1.31	1.57	2.45	1.92	2.82	1.96	2.00	1.46	3.52	2.67	3.65	2.60	2.05	2.71	2.07
1972-73 DELTA-P		5.02#	-3.61*	0.64	-2.20	2.23*	-2.05*	1.62#	-6.94#	-4.08	-12.15#	-8.86#	0.57	3.62#	-2.04	-5.40	-4.74	6.90*	1.50	-4.10	1.35	0.39
1972-73 SE OF DP		1.86	1.61	1.59	2.17	0.97	0.90	0.42	1.69	2.41	2.02	2.89	1.92	1.24	1.34	3.27	2.67	3.27	2.67	2.18	2.56	1.59
AGE: 13																						
1972-73 P-VALUE	25.11	24.92	18.62	29.64	25.95	26.36	23.96	27.83	11.18	18.94	17.29	11.26	23.51	34.15	12.57	24.85	16.55	36.18	26.44	22.41	30.90	21.56
1972-73 SE OF P-VAL	1.13	2.60	[illegible]	1.90	2.51	1.51	1.54	1.21	1.68	4.82	3.50	2.32	1.69	1.69	1.76	4.73	4.44	2.05	3.13	2.89	3.87	1.70
1972-73 DELTA-P		-0.19	-6.49#	4.53#	0.84	1.25	-1.15	2.72#	-13.93#	-6.17	-7.82*	-13.85#	-1.60	5.04#	-12.54#	-0.26	-8.56*	11.67#	1.33	-2.70	5.79	-3.55*
1972-73 SE OF DP		2.17	1.77	1.69	2.09	1.07	0.98	0.48	1.89	4.55	3.32	2.50	1.37	1.21	1.66	4.69	4.28	1.89	2.89	2.66	3.66	1.61
AGE: 17																						
1972-73 P-VALUE	34.20	32.36	25.70	38.67	38.55	37.94	31.00	38.38	17.87	15.44	23.92	24.30	30.48	42.58	25.90	26.79	24.73	48.54	23.87	35.70	36.01	34.66
1972-73 SE OF P-VAL	1.30	3.21	2.35	1.77	2.83	1.74	1.91	1.43	2.92	3.34	3.83	2.88	1.76	1.92	4.52	3.74	2.46	5.07	3.67	2.71	4.28	1.77
1972-73 DELTA-P		-1.84	-8.50#	4.47#	4.35	3.74#	-3.20#	4.18#	-16.33#	-18.76#	-10.28#	-9.90#	-3.72*	8.38#	-8.30	-7.41*	-9.47#	14.34#	-10.33#	1.50	1.81	0.46
1972-73 SE OF DP		2.53	2.23	1.75	2.44	1.38	1.21	0.65	3.05	3.33	3.39	2.81	1.57	1.33	4.28	3.56	2.54	4.61	3.71	2.71	3.99	1.54
AGE: Ad																						
1972-73 P-VALUE	37.54	36.71	33.02	35.96	43.78	46.93	28.81	41.29	16.02	21.23	29.56	32.25	40.40	46.56	12.85	36.50	28.01	44.09	37.04	38.17	42.41	36.26
1972-73 SE OF P-VAL	1.31	3.21	2.71	2.18	2.34	1.77	1.42	1.50	2.46	4.76	2.34	2.50	2.57	2.53	4.45	4.48	4.14	4.05	5.25	4.68	2.69	2.19
1972-73 DELTA-P		-0.83	-4.52	-1.58	6.24#	9.39#	-8.73#	3.75#	-21.52#	-16.31#	-7.98#	-5.29*	2.86	11.02#	-24.69#	-1.04	-9.53*	6.55	-0.50	0.63	4.87	-1.28
1972-73 SE OF DP		2.66	2.44	1.94	2.07	1.09	0.89	0.56	2.72	4.78	2.05	2.35	2.08	2.34	4.26	4.31	4.06	3.81	5.14	4.64	2.48	1.55
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	15.51	10.31	20.20	14.72	16.92	13.55	17.31	14.18	20.68	20.00	12.40	24.13	14.09	12.60	19.94	18.50	22.27	11.53	11.95	16.87	12.41	16.63
1972-73 SE OF P-VAL	1.01	1.33	2.61	1.44	2.52	1.20	1.27	1.08	2.81	4.48	3.06	3.99	1.59	1.84	1.67	3.25	2.93	2.78	1.91	2.21	2.88	2.41
1972-73 DELTA-P		-5.20#	4.69*	-0.79	1.41	-1.96#	1.80#	-1.33*	5.17*	4.49	-3.11	8.62*	-1.42	-2.91*	4.43#	2.99	6.76*	-3.98	-3.52	1.36	-3.10	1.12
1972-73 SE OF DP		1.37	2.10	1.42	2.11	0.73	0.68	0.55	2.46	4.42	2.99	3.93	1.56	1.26	1.47	3.16	2.89	2.60	2.00	2.25	2.75	1.82
AGE: 13																						
1972-73 P-VALUE	4.81	4.82	5.57	3.27	5.80	4.80	4.82	4.20	7.14	7.88	9.15	4.53	4.04	4.36	5.99	5.06	8.39	2.65	4.24	4.73	[illegible]	5.05
1972-73 SE OF P-VAL	0.54	1.49	1.06	0.91	0.73	0.77	0.66	0.58	1.32	2.46	3.57	1.83	0.79	0.69	1.28	1.76	2.37	1.08	1.61	2.03	1.14	0.99
1972-73 DELTA-P		0.01	0.76	-1.54	0.99	-0.01	0.01	-0.61*	2.33*	3.07	4.34	-0.28	-0.77	-0.45	1.18	0.25	3.58	-2.16*	-0.57	-0.08	-0.42	0.24
1972-73 SE OF DP		1.19	0.96	0.82	0.73	0.48	0.45	0.26	1.16	2.40	3.35	1.82	0.66	0.59	1.06	1.79	2.23	1.05	1.46	1.92	1.19	0.79

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part H.

RESPONSE: 03 AGE: 17 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	2.46	1.44	2.02	2.75	3.71	1.61	3.19	2.35	1.99	4.93	4.97	2.61	2.43	1.61	5.50	2.02	1.78	1.44	2.40	4.21	2.03	2.42
1972-73 SE OF P-VAL	0.37	0.58	0.59	0.85	0.87	0.47	0.56	0.42	0.64	2.37	1.45	0.90	0.71	0.42	2.18	0.96	0.70	0.86	1.40	1.38	0.97	0.60
1972-73 DELTA-P		-1.02	-0.44	0.29	1.25	-0.85*	0.73*	-0.11	-0.47	2.47	2.51	0.15	-0.03	-0.85*	3.04	-0.44	-0.68	-1.02	-0.06	1.75	-0.43	-0.04
1972-73 SE OF DP		0.54	0.59	0.68	0.74	0.39	0.34	0.17	0.67	2.24	1.44	0.80	0.51	0.36	2.09	0.99	0.71	0.83	1.40	1.18	0.96	0.48
AGE: Ad																						
1972-73 P-VALUE	5.99	5.87	8.75	4.55	5.45	4.72	7.17	4.84	13.47	9.40	9.33	5.90	4.51	2.65	20.88	7.63	8.94	1.92	2.75	[illegible]	7.01	7.02
1972-73 SE OF P-VAL	0.69	1.36	1.79	1.19	1.27	0.80	0.94	0.63	3.17	3.78	1.84	1.58	0.71	0.69	6.99	2.42	2.03	0.88	1.06	[illegible]	1.99	1.26
1972-73 DELTA-P		-0.12	2.76	-1.44	-0.54	-1.27*	1.18*	-1.15#	7.48#	3.41	3.34*	-0.09	-1.48	-3.34#	14.89*	1.64	2.95	-4.07#	-3.24#	-0.90	1.02	1.03
1972-73 SE OF DP		1.19	1.55	1.01	1.12	0.57	0.54	0.45	2.88	3.61	1.43	1.39	0.80	0.78	6.84	2.24	1.98	0.98	1.19	1.63	1.82	0.83

EXERCISE: 203008-1234 UB228

Part I.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	2.55	3.00	[illegible]	2.69	1.35	2.33	2.76	2.20	3.59	4.42	5.88	0.00	1.83	2.00	3.76	5.25	3.94	1.16	2.20	2.82	1.56	2.46
1972-73 SE OF P-VAL	0.42	0.84	0.88	0.98	0.51	0.48	0.70	0.41	1.17	1.67	2.85	0.00	0.49	0.66	0.85	1.76	1.04	0.66	0.97	1.28	0.79	0.90
1972-73 DELTA-P		0.45	0.53	0.14	-1.20*	-0.22	0.21	-0.35	1.04	1.87	3.33	-2.55#	-0.72	-0.55	1.21	2.70	1.39	-1.39*	-0.35	0.27	-0.99	-0.09
1972-73 SE OF DP		0.73	0.75	[illegible]	0.56	0.45	0.42	0.20	0.98	1.61	2.68	0.42	0.55	0.53	0.68	1.70	1.00	0.69	0.96	1.18	0.80	0.69
AGE: 13																						
1972-73 P-VALUE	0.75	0.71	0.40	1.41	0.38	0.98	0.54	0.59	1.72	0.73	2.50	0.66	0.38	0.56	1.37	2.49	0.88	0.30	1.41	0.00	0.85	0.50
1972-73 SE OF P-VAL	0.23	0.38	0.20	0.71	0.20	0.35	0.26	0.25	0.60	0.45	1.38	0.46	0.23	0.33	0.68	2.00	0.68	0.30	0.63	0.00	0.84	0.27
1972-73 DELTA-P		-0.04	-0.35	0.66	-0.37	0.23	-0.21	-0.16	0.97	-0.02	1.75	-0.09	-0.37	-0.19	0.62	1.74	0.13	-0.45	0.66	-0.75#	0.10	-0.25
1972-73 SE OF DP		0.36	0.28	0.52	0.27	0.21	0.19	0.10	0.54	0.47	1.29	0.49	0.27	0.23	0.56	1.83	0.67	0.35	0.61	0.23	0.78	0.29
AGE: 17																						
1972-73 P-VALUE	1.27	1.69	3.01	0.48	0.18	1.15	1.38	0.70	4.50	1.61	0.73	3.26	0.44	0.70	6.00	0.00	1.38	0.35	18.31	0.00	0.00	0.11
1972-73 SE OF P-VAL	0.65	0.77	2.96	0.37	0.18	0.99	0.49	0.41	2.52	1.15	0.74	2.95	0.29	0.38	3.69	0.00	0.60	0.36	9.12	0.00	0.00	0.11
1972-73 DELTA-P		0.42	1.74	-0.79	-1.09	-0.12	0.11	-0.57	3.23	0.34	-0.54	1.99	-0.83	-0.57	4.73	-1.27	0.11	-0.92	17.04	-1.27	-1.27	-1.16
1972-73 SE OF DP		0.83	2.37	0.70	0.67	0.42	0.36	0.35	1.92	1.12	1.01	2.35	0.44	0.36	3.55	0.65	0.81	0.72	8.52	0.65	0.65	0.65
AGE: Ad																						
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
1972-73 P-VALUE	16.98	14.85	18.02	17.02	18.07	16.32	17.59	16.03	19.31	23.16	18.79	14.01	16.96	16.03	18.57	22.20	17.42	12.34	16.07	15.19	17.00	18.36
1972-73 SE OF P-VAL	0.94	1.54	2.10	[illegible]	2.19	1.36	1.42	1.06	2.46	3.86	3.98	3.69	1.90	1.55	2.01	5.15	2.53	2.54	2.73	2.05	2.17	1.84
1972-73 DELTA-P		-2.13	1.04	0.04	1.09	-0.66	0.61	-0.95*	2.33	6.18	1.81	-2.97	-0.02	-0.95	1.59	5.22	0.44	-4.64	-0.91	-1.79	0.02	1.38
1972-73 SE OF DP		1.45	1.75	1.45	1.83	1.06	0.98	0.47	2.23	3.85	3.81	3.83	1.64	1.30	1.63	4.65	2.53	2.42	2.65	2.03	2.10	1.51
AGE: 13																						
1972-73 P-VALUE	13.19	15.19	14.82	11.34	11.89	12.91	13.45	12.59	16.02	15.11	16.06	11.09	12.46	12.95	15.38	14.06	16.81	12.07	16.50	11.17	11.34	12.89
1972-73 SE OF P-VAL	0.77	2.09	1.40	1.42	1.08	0.93	1.21	0.88	2.76	2.87	3.53	2.07	1.49	1.14	1.97	2.76	2.47	2.38	2.46	1.77	1.44	1.16
1972-73 DELTA-P		2.00	1.63	-1.85	-1.30	-0.28	0.26	-0.60	2.83	1.92	2.87	-2.10	-0.73	-0.24	2.19	0.87	3.62	-1.12	3.31	-2.02	-1.85	-0.30
1972-73 SE OF DP		1.69	1.30	1.22	1.07	0.80	0.73	0.46	2.57	2.86	3.52	2.10	1.06	0.85	1.92	2.67	2.29	2.06	2.13	1.65	1.54	[illegible]
AGE: 17																						
1972-73 P-VALUE	13.75	14.66	13.02	13.81	13.25	14.64	12.99	13.30	14.53	17.97	16.19	11.86	12.59	14.65	14.43	13.93	13.69	13.50	16.64	15.78	12.23	12.92
1972-73 SE OF P-VAL	0.99	1.92	1.92	2.29	1.54	1.31	1.19	0.94	2.60	5.40	3.62	1.99	1.72	1.30	3.06	6.07	2.80	2.70	3.23	2.11	2.60	1.32
1972-73 DELTA-P		0.91	-0.73	0.06	-0.50	0.89	-0.76	-0.45	0.78	4.22	2.44	-1.89	-1.16	0.90	0.68	0.18	-0.06	-0.25	2.89	2.03	-1.52	-0.83
1972-73 SE OF DP		1.63	1.77	1.81	1.49	0.82	0.71	0.52	2.28	4.99	3.19	1.90	1.29	0.94	3.11	5.70	[illegible]	2.52	3.16	1.96	2.51	1.15

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 0B228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective 22C.

Part I.

RESPONSE: 01* AGE: A6 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	19.57	[illegible]	14.83	21.39	22.16	20.50	18.70	20.34	[illegible]	16.21	19.12	17.41	17.83	24.44	13.55	15.90	14.78	25.32	15.30	18.06	21.45	20.33
1972-73 SE OF P-VAL	0.97	1.99	1.85	1.87	1.95	1.41	1.23	1.18	2.89	4.88	1.73	2.42	1.78	2.43	5.07	2.97	3.19	3.79	4.24	2.60	3.23	1.38
1972-73 DELTA-P		-0.81	-4.74#	1.82	2.59	0.93	-0.87	0.77	-4.44	-3.36	-0.45	-2.16	-1.74	4.87*	[illegible]	[illegible]	-4.79	5.75	-4.27	-1.51	1.88	0.76
1972-73 SE OF DP		1.73	1.69	1.55	1.68	0.93	0.86	0.43	2.92	4.35	1.57	2.29	1.47	2.11	[illegible]	2.79	3.12	3.39	3.99	2.50	3.16	1.28

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.35	5.95	2.95	5.56	2.82	3.94	4.72	4.76	2.64	3.21	3.39	3.43	4.04	2.85	7.10	6.21	8.55	4.15	5.24	2.97	4.50	3.01
1972-73 SE OF P-VAL	0.61	1.27	0.94	1.53	0.93	0.76	0.78	0.74	0.99	1.68	1.05	1.77	1.04	0.74	1.19	1.54	2.57	1.06	1.60	1.31	1.69	0.73
1972-73 DELTA-P		1.60	-1.40	1.21	-1.53	-0.41	0.37	0.41	-1.71	-1.14	-0.96	[illegible]	-0.31	-1.49*	2.75#	1.86	4.20	-0.20	0.89	-1.38	0.15	-1.34*
1972-73 SE OF DP		1.09	0.84	1.22	0.89	0.48	0.45	[illegible]	1.05	1.67	1.78	1.64	0.78	0.65	0.91	1.39	2.46	1.79	1.35	1.16	1.57	0.63

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.09	7.75	10.48	6.90	7.65	7.38	8.75	7.00	13.92	10.07	13.35	14.51	7.22	5.63	11.54	6.22	13.39	3.62	9.75	8.57	9.64	7.75
1972-73 SE OF P-VAL	0.67	0.98	1.04	0.86	1.55	0.74	0.90	0.70	[illegible]	2.72	3.99	3.11	1.08	0.81	1.57	1.68	3.81	1.11	1.84	1.59	2.57	1.05
1972-73 DELTA-P		-0.34	2.39	-1.19	-0.44	-0.71	[illegible]	-1.09#	5.83#	1.98	5.26	6.42*	-0.87	-2.46#	3.45*	-1.87	5.30	-4.47#	1.66	0.48	1.55	[illegible]
1972-73 SE OF DP		0.97	1.52	0.88	1.27	0.50	0.46	[illegible]	2.09	2.52	3.67	3.00	0.83	0.77	1.53	1.64	3.57	1.23	1.87	1.61	2.33	0.83

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.43	6.13	7.63	7.04	4.99	5.28	7.42	5.57	11.64	6.17	7.24	7.64	8.14	4.51	7.94	6.15	9.07	3.65	4.92	4.27	5.48	7.95
1972-73 SE OF P-VAL	[illegible]	0.74	1.11	1.17	0.78	0.71	0.71	0.50	[illegible]	1.93	1.72	1.89	1.05	0.66	3.04	1.67	1.88	1.11	1.98	1.19	1.42	0.74
1972-73 DELTA-P		-0.30	1.20	0.61	-1.44	-1.15*	[illegible]	-0.86*	5.21#	-0.26	0.81	1.21	1.71	-1.92#	1.51	-0.28	2.64	-2.78#	-1.51	-2.16	-0.95	1.52*
1972-73 SE OF DP		0.69	0.99	0.92	0.76	0.56	[illegible]	0.35	1.87	1.84	1.65	1.00	0.92	0.53	2.99	1.67	1.74	1.03	1.90	1.22	1.32	0.62

AGE: A6

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	12.71	13.42	16.50	13.27	8.32	9.25	15.93	10.58	23.64	24.39	17.99	14.29	11.42	7.31	18.23	13.12	22.21	8.90	9.82	11.89	13.94	12.22
1972-73 SE OF P-VAL	0.82	1.70	1.83	1.56	1.48	1.20	1.19	0.78	3.24	6.70	1.85	2.24	1.68	1.30	6.29	1.75	4.11	1.76	2.50	3.07	2.92	1.28
1972-73 DELTA-P		0.71	3.79*	0.56	-4.39#	-3.46#	3.22#	-2.13#	10.93#	11.68	5.28#	1.58	-1.29	-5.40#	5.52	0.41	9.50*	-3.81*	-2.89	-0.82	1.23	-0.49
1972-73 SE OF DP		1.47	1.64	1.30	1.29	0.89	0.85	0.59	2.96	6.48	1.62	2.05	1.42	1.26	6.27	[illegible]	3.89	1.61	2.54	2.04	2.01	1.09

EXERCISE: 203008-1234 0B228

Part J.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.62	4.92	6.89	4.84	5.88	5.20	6.01	5.10	7.20	8.33	13.29	5.79	5.54	3.45	7.45	11.25	8.36	4.55	3.57	4.71	3.76	5.68
1972-73 SE OF P-VAL	0.82	1.21	2.46	1.07	1.40	0.92	1.02	0.87	1.83	2.52	5.60	2.35	1.42	0.78	1.36	4.75	2.12	1.30	1.70	1.36	1.55	1.13
1972-73 DELTA-P		-0.70	1.27	-0.78	0.26	-0.42	0.39	-0.52	1.58	2.71	7.67	0.17	-0.08	-2.17#	1.83	5.63	2.74	-1.07	-2.05	-0.91	-1.86	0.06
1972-73 SE OF DP		1.18	1.91	1.10	1.31	0.55	0.51	0.32	1.58	2.44	5.06	2.06	1.06	0.82	1.17	4.17	2.13	1.36	1.66	1.44	1.56	0.88

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	13.11	10.40	19.30	10.64	13.08	13.53	12.72	9.73	30.98	19.54	23.71	19.18	13.09	6.94	23.48	14.56	31.52	6.64	14.29	9.53	13.53	11.41
1972-73 SE OF P-VAL	1.03	1.93	2.44	1.64	2.11	1.32	1.18	1.00	3.08	3.38	2.70	3.29	1.73	0.94	2.49	2.82	[illegible]	1.51	3.01	1.85	3.40	1.72
1972-73 DELTA-P		-2.71	6.19#	-2.47	-0.03	0.42	-0.39	-3.38#	17.87#	6.43	10.60#	6.07	-0.02	-6.17#	10.37#	1.45	18.41#	-6.47#	1.18	-3.58	0.42	-1.70
1972-73 SE OF DP		1.70	2.07	1.50	1.80	0.74	0.68	0.68	2.79	3.38	2.49	3.11	1.16	1.00	2.13	2.73	4.33	1.69	2.96	1.82	3.15	1.35

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	11.42	12.02	14.50	9.97	9.72	11.79	11.10	8.81	26.94	11.14	11.88	17.25	13.29	6.88	21.47	8.11	21.14	6.51	27.78	7.85	9.19	10.23
1972-73 SE OF P-VAL	1.00	1.69	3.06	1.92	1.47	1.51	1.11	0.77	3.85	3.41	2.19	4.06	1.42	0.94	4.21	2.88	3.43	1.85	8.08	1.56	1.90	1.09
1972-73 DELTA-P		0.60	3.08	-1.45	-1.70	0.37	-0.32	-2.61#	15.52#	-0.28	0.46	5.83	1.87	-4.54#	10.05*	-3.31	9.72#	-4.91*	16.36*	-3.57	-2.23	-1.19
1972-73 SE OF DP		1.52	2.57	1.62	1.48	0.92	0.79	0.71	3.38	3.31	2.36	3.52	1.14	0.70	4.03	2.91	2.87	2.02	7.44	1.96	1.91	1.13

AGE: A6

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	11.19	14.16	13.31	11.87	5.94	8.85	13.37	9.97	18.11	16.68	12.64	11.25	11.66	8.43	16.22	8.78	15.07	8.91	11.49	10.99	11.73	11.37
1972-73 SE OF P-VAL	0.72	1.72	1.22	1.39	1.29	1.22	1.06	0.74	2.86	6.71	1.69	1.67	1.70	1.21	5.35	1.90	3.08	1.48	2.52	2.14	2.50	1.23
1972-73 DELTA-P		2.97*	2.12	0.68	-5.25#	-2.34#	2.18#	-1.22*	6.92#	5.49	1.45	0.06	0.47	-2.76*	5.03	-2.41	3.88	-2.28	0.30	-0.20	0.54	0.18
1972-73 SE OF DP		1.43	1.17	1.16	1.15	0.92	0.85	0.53	2.59	6.54	1.52	1.60	1.37	1.25	5.28	1.96	2.86	1.47	2.53	2.02	2.35	0.96

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part J.

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.06	2.23	1.29	2.48	2.24	2.53	1.63	2.38	0.39	1.91	1.53	0.00	1.26	3.18	1.49	1.26	0.00	3.26	1.90	2.05	1.85	2.45
1972-73 SE OF P-VAL	0.32	0.36	0.58	0.85	0.65	0.46	0.43	0.38	0.29	1.11	1.21	0.00	0.52	0.68	0.46	1.14	0.00	1.34	0.93	0.76	0.82	0.48
1972-73 DELTA-P		0.17	-0.77	0.42	0.18	0.47	-0.43	0.32#	-1.67#	-0.15	-0.53	-2.06#	-0.80	1.12*	-0.57	-0.80	-2.06#	1.20	-0.16	-0.01	-0.21	0.39
1972-73 SE OF DP		0.41	0.52	0.67	0.57	0.32	0.30	0.11	0.36	1.07	1.18	0.32	0.53	0.46	0.44	1.08	0.32	1.19	0.85	0.70	0.78	0.45
AGE: 13																						
1972-73 P-VALUE	2.84	3.15	2.38	2.97	2.80	2.91	2.78	3.15	0.44	3.94	2.64	2.85	2.39	3.57	1.75	1.12	1.99	4.39	2.11	3.00	3.83	2.69
1972-73 SE OF P-VAL	0.42	0.96	0.67	0.77	0.90	0.54	0.56	0.50	0.31	1.94	1.31	1.38	0.65	0.70	0.75	0.77	0.71	1.24	0.94	1.09	1.30	0.77
1972-73 DELTA-P		0.31	-0.46	0.13	-0.04	0.07	-0.06	0.31	-2.40#	1.10	-0.20	0.01	-0.45	0.73	-1.09	-1.72*	-0.85	1.55	-0.73	0.16	0.99	-0.15
1972-73 SE OF DP		0.81	0.65	0.66	0.75	0.38	0.35	0.16	0.51	1.88	1.33	1.35	0.53	0.48	0.65	0.84	0.72	1.12	0.90	0.97	1.22	0.59
AGE: 17																						
1972-73 P-VALUE	[illegible]	6.57	4.61	5.94	8.04	8.22	4.71	7.30	1.30	4.82	2.35	2.93	5.19	9.12	3.91	4.51	3.93	8.14	3.72	8.00	6.11	6.60
1972-73 SE OF P-VAL	[illegible]	0.98	1.03	1.08	1.28	0.94	0.69	0.64	0.54	2.07	1.22	1.02	1.19	0.96	1.73	1.96	1.17	1.93	1.99	1.52	1.58	0.83
1972-73 DELTA-P		0.24	-1.72	-0.39	1.71	1.90#	-1.62#	0.97#	-5.03#	-1.51	-3.98#	-3.40#	-1.14	2.79#	-2.42	-1.82	-2.40*	1.81	-2.61	1.67	-0.22	0.27
1972-73 SE OF DP		0.86	0.94	0.90	1.10	0.63	0.57	0.22	0.66	2.04	1.24	0.94	1.07	0.69	1.77	1.93	1.09	1.72	1.98	1.39	1.49	0.68
AGE: Ad																						
1972-73 P-VALUE	10.43	9.72	7.85	9.19	14.59	11.89	9.07	11.15	7.34	5.30	8.07	8.88	8.97	16.27	5.91	10.06	7.88	16.15	3.09	7.81	11.45	11.27
1972-73 SE OF P-VAL	0.86	1.87	1.77	1.76	1.51	1.27	1.01	1.01	2.29	2.07	1.28	2.00	1.26	1.51	3.81	2.50	2.16	3.29	1.85	1.72	2.89	1.42
1972-73 DELTA-P		-0.71	-2.58	-1.24	4.16#	1.46	-1.36	0.72*	-3.09	-5.13*	-2.36*	-1.55	-1.46	5.84#	-4.52	-0.37	-2.55	5.72	-7.34#	-2.62	1.02	0.84
1972-73 SE OF DP		1.60	[illegible]	1.45	1.36	0.77	0.72	0.32	2.18	2.33	1.14	1.86	1.07	1.50	3.72	2.35	2.13	2.91	1.85	1.76	2.79	1.18

RESPONSE: 03 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	15.20	11.12	16.83	17.28	15.49	13.57	16.70	14.30	18.57	18.54	12.71	19.76	16.89	11.33	19.21	14.22	19.92	12.13	18.34	15.44	13.13	15.22
1972-73 SE OF P-VAL	1.21	2.59	2.59	2.37	2.01	1.17	1.80	1.25	2.68	4.14	3.09	4.00	2.14	1.42	1.85	1.79	3.12	2.43	3.14	3.32	2.92	2.24
1972-73 DELTA-P		-4.08	1.63	2.08	0.29	-1.63	1.50	-0.90	3.37	3.34	-2.49	4.56	1.69	-3.87*	4.01#	-0.98	4.72	-3.07	3.14	0.24	-2.07	0.02
1972-73 SE OF DP		2.19	2.19	2.04	1.90	0.96	0.90	0.52	2.34	3.90	3.33	3.48	1.64	1.03	1.31	1.94	2.99	2.28	2.63	2.98	2.86	1.74
AGE: 13																						
1972-73 P-VALUE	4.86	5.43	7.19	2.68	4.68	[illegible]	5.06	4.02	8.39	8.40	10.35	8.31	3.85	3.17	7.79	7.51	5.53	2.55	3.32	3.28	4.93	4.95
1972-73 SE OF P-VAL	0.55	1.24	1.27	0.69	1.16	0.73	0.71	0.55	1.29	2.47	3.04	2.36	0.67	0.67	1.44	1.72	2.66	0.82	1.51	1.27	1.32	1.14
1972-73 DELTA-P		0.57	2.33*	-2.18#	-0.18	-0.21	0.20	-0.84#	3.53#	3.54	5.49	3.45	-1.01	-1.69*	2.93#	2.65	4.67	-2.31*	-1.54	-1.58	0.07	0.09
1972-73 SE OF DP		1.04	1.09	0.71	0.98	0.48	0.44	0.27	1.10	2.27	2.76	2.17	0.61	0.68	1.17	1.64	2.47	0.94	1.47	1.22	1.34	0.90
AGE: 17																						
1972-73 P-VALUE	1.98	1.67	2.16	1.62	2.62	1.26	2.60	1.72	2.82	3.54	4.02	1.97	1.50	1.68	4.29	1.81	1.93	0.26	3.22	2.80	1.36	2.17
1972-73 SE OF P-VAL	0.29	0.49	0.66	0.60	0.58	0.31	0.48	0.33	0.83	1.26	1.23	0.56	0.48	0.42	1.50	0.92	0.69	0.26	1.52	1.02	0.74	0.51
1972-73 DELTA-P		-0.31	0.18	-0.36	0.64	-0.72#	0.62#	-0.26	0.84	1.56	2.04	-0.01	-0.48	-0.30	2.31	-0.17	-0.05	-1.72#	1.24	0.82	-0.62	0.19
1972-73 SE OF DP		0.43	0.59	0.49	0.51	0.27	0.24	0.15	0.79	1.21	1.16	0.54	0.40	0.31	1.42	0.50	0.68	0.35	1.50	0.89	0.74	0.39
AGE: Ad																						
1972-73 P-VALUE	6.90	5.92	9.42	5.88	6.89	5.80	7.93	5.68	13.70	12.62	12.01	6.58	4.23	2.83	26.49	8.04	11.57	2.95	5.19	6.32	6.58	7.55
1972-73 SE OF P-VAL	0.86	1.44	1.87	1.78	1.75	1.01	1.17	0.91	2.94	5.11	2.13	1.81	0.81	0.78	7.98	2.34	2.79	1.80	2.54	2.43	2.17	1.51
1972-73 DELTA-P		-0.98	2.52	-1.02	-0.01	-1.10	1.03	-1.22*	6.80*	5.72	5.11#	-0.32	-2.67#	-4.07#	19.59#	1.14	4.67	-3.95*	-1.71	-0.58	-0.32	0.65
1972-73 SE OF DP		1.35	1.68	1.03	1.49	0.71	0.67	0.50	2.81	4.87	1.62	1.49	0.90	0.96	7.68	2.21	2.78	1.73	2.53	2.29	1.99	1.02

EXERCISE: 203008-1234 UB228

Part K.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.85	7.91	3.99	1.88	1.58	3.32	4.33	2.59	9.06	7.38	8.99	7.02	2.71	2.09	5.85	7.08	13.24	3.31	5.59	2.34	1.74	1.64
1972-73 SE OF P-VAL	0.51	1.37	0.94	0.97	0.78	0.48	0.77	0.46	1.96	2.51	3.79	2.95	0.55	0.70	1.11	1.78	3.02	1.38	1.80	1.00	0.89	0.57
1972-73 DELTA-P		4.06#	0.14	-1.97*	-2.27#	-0.53	0.48	-1.26#	5.21#	3.53	5.14	3.17	-1.14	-1.76#	2.00*	3.23	9.39#	-0.54	1.74	-1.51	-2.11*	-2.21#
1972-73 SE OF DP		1.13	0.84	0.85	0.74	0.42	0.39	0.31	1.77	2.34	3.55	2.89	0.75	0.51	0.92	1.68	2.88	1.25	1.59	0.97	0.99	0.59

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203000-1234 UB220

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part K.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.66	0.01	0.23	1.20	0.30	0.91	0.43	0.60	1.17	0.40	0.64	0.08	0.63	0.51	1.51	3.87	1.24	0.75	0.58	0.48	0.07	0.01
1972-73 SE OF P-VAL	0.31	0.35	0.08	1.04	0.23	0.42	0.24	0.37	0.49	0.37	0.43	0.08	0.30	0.43	0.71	3.31	0.67	0.45	0.41	0.46	0.07	0.02
1972-73 DELTA-P		0.15	-0.43	0.54	[illegible]	0.25	-0.23	-0.06	0.51	-0.26	-0.02	-0.58	-0.03	-0.15	0.85	3.21	0.58	0.09	-0.08	-0.18	-0.59	-0.65*
1972-73 SE OF DP		0.40	0.31	0.75	[illegible]	0.15	0.14	0.10	0.53	0.47	0.51	0.32	0.22	0.18	0.52	3.03	0.69	0.50	0.47	0.51	0.31	0.31
AGE: 17																						
1972-73 P-VALUE	1.54	2.47	3.25	0.28	0.43	1.40	1.66	0.72	6.11	2.21	1.26	3.13	0.71	0.56	9.76	0.00	1.77	0.20	21.35	0.00	0.00	0.29
1972-73 SE OF P-VAL	0.68	1.02	2.97	0.28	0.22	1.00	0.58	0.42	2.97	1.23	0.87	2.95	0.35	0.37	4.93	0.00	0.82	0.21	8.98	0.00	0.00	0.21
1972-73 DELTA-P		0.93	1.71	-1.26	-1.11	-0.14	0.12	-0.82	4.57	0.67	-0.28	1.59	-0.83	-0.98*	8.22	-1.54*	0.23	-1.34	19.81*	-1.54*	-1.54*	-1.25
1972-73 SE OF DP		0.97	2.38	0.70	0.70	0.46	0.40	0.44	2.39	1.11	1.13	2.35	0.54	0.41	4.72	0.68	0.88	0.71	8.37	0.68	0.68	0.68
AGE: Ad																						
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21
RESPONSE: 03* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	47.61	46.66	47.21	46.69	49.94	49.56	45.82	48.46	45.56	42.08	40.95	45.02	47.27	50.68	45.01	47.82	40.58	52.02	44.02	51.72	44.03	48.67
1972-73 SE OF P-VAL	1.40	2.56	3.47	2.44	2.57	2.22	1.76	1.50	2.68	4.60	5.48	5.04	2.45	1.86	2.33	3.75	3.11	4.13	[illegible]	2.32	4.64	2.11
1972-73 DELTA-P		-0.95	-0.30	-0.92	2.33	1.95	-1.79	0.85	-2.05	-5.57	-6.66	-2.59	-0.34	3.07*	-2.60	0.21	-7.03*	4.41	-3.59	4.11	-3.58	1.06
1972-73 SE OF DP		2.30	2.02	2.19	2.31	1.49	1.36	0.55	2.21	4.40	5.42	4.68	2.14	1.33	1.67	3.34	3.22	3.70	3.70	2.43	4.05	1.86
AGE: 13																						
1972-73 P-VALUE	51.79	55.54	44.22	54.77	51.46	53.88	49.87	55.18	33.80	45.52	39.01	47.69	53.19	56.61	42.32	48.22	[illegible]	61.19	54.76	57.51	52.48	49.91
1972-73 SE OF P-VAL	1.18	2.75	1.41	2.68	2.05	1.83	1.55	1.37	2.65	3.14	3.27	4.58	2.10	1.76	2.51	4.24	[illegible]	3.97	3.63	3.83	3.58	1.89
1972-73 DELTA-P		3.75	-7.57#	2.98	-0.33	2.09	-1.92	3.39#	-17.99#	-6.27*	-12.78#	-4.10	1.40	4.82#	-9.47#	-3.57	[illegible]	5.40#	2.97	5.72	0.69	-1.88
1972-73 SE OF DP		2.29	1.59	2.14	1.85	1.25	1.17	0.68	2.81	3.10	3.32	4.60	1.65	1.13	2.39	4.04	3.25	3.70	3.63	3.59	3.42	1.64
AGE: 17																						
1972-73 P-VALUE	54.61	57.03	52.63	56.22	51.56	57.45	52.18	57.52	40.50	47.74	51.89	49.53	51.71	58.89	52.46	48.94	45.55	63.19	40.85	52.98	54.07	57.68
1972-73 SE OF P-VAL	1.30	2.67	2.90	2.44	2.31	2.16	1.87	1.40	3.39	4.70	4.89	3.70	2.17	2.00	5.94	5.98	3.41	3.63	5.51	2.92	3.13	1.98
1972-73 DELTA-P		2.42	-1.98	1.61	-3.05	2.84	-2.43	2.91#	-14.11#	-6.87	-2.72	-5.08	-2.90	4.28#	-1.95	-5.67	-5.06	-8.58*	-13.76#	-1.63	-0.54	3.07
1972-73 SE OF DP		2.17	2.57	2.08	2.16	1.64	1.42	0.63	3.23	4.42	4.54	3.36	1.86	1.50	6.08	5.46	3.41	3.47	5.34	2.82	3.13	1.56
AGE: Ad																						
1972-73 P-VALUE	53.47	54.30	52.40	55.62	51.17	60.47	46.96	56.34	36.01	42.80	45.78	51.97	54.88	63.66	28.19	50.24	48.74	56.45	49.53	51.60	55.99	54.90
1972-73 SE OF P-VAL	1.63	1.85	3.02	3.84	3.45	2.53	1.64	1.65	4.64	6.99	2.91	3.22	2.57	2.86	6.11	6.20	4.63	4.40	6.31	4.54	5.75	2.20
1972-73 DELTA-P		0.83	-1.07	2.15	-2.30	7.00#	-6.51#	2.87#	-17.46#	-10.67	-7.69#	-1.50	1.41	10.19#	-25.28#	-3.23	-4.73	2.98	-3.94	-1.87	2.52	1.43
1972-73 SE OF DP		2.10	2.82	2.96	2.91	1.45	1.36	0.64	4.51	6.57	2.22	3.00	1.99	2.44	6.41	6.07	4.43	4.02	5.76	4.29	5.17	1.99
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	4.92	7.49	3.84	3.81	4.57	4.54	5.26	4.89	4.63	5.85	3.69	4.92	5.34	3.90	6.30	5.23	9.49	4.43	6.66	3.16	5.66	3.63
1972-73 SE OF P-VAL	0.59	1.17	1.13	0.98	1.46	0.76	0.77	0.65	1.15	1.92	2.02	2.20	1.03	0.79	0.97	1.65	2.49	1.76	2.04	0.97	1.83	0.95
1972-73 DELTA-P		2.57*	-1.08	-1.11	-0.35	-0.38	0.34	-0.03	-0.29	0.93	-1.23	0.00	0.42	-1.02	1.38	0.31	4.57	-0.49	1.74	-1.76	0.74	-1.29
1972-73 SE OF DP		1.03	0.99	0.90	1.21	0.51	0.47	0.23	1.07	1.78	1.94	2.04	0.90	0.55	0.74	1.62	2.37	1.63	1.88	1.01	1.68	0.83
AGE: 13																						
1972-73 P-VALUE	12.49	9.48	14.61	12.49	13.55	14.49	10.65	10.86	20.67	16.60	16.12	15.20	11.39	9.68	20.42	16.41	21.73	6.76	11.00	12.90	12.57	11.77
1972-73 SE OF P-VAL	0.83	1.55	1.50	1.55	1.99	1.24	0.89	0.81	2.23	3.15	2.67	2.90	1.25	0.88	2.91	1.55	2.82	1.44	2.47	2.62	2.38	[illegible]
1972-73 DELTA-P		[illegible]	2.12	0.00	1.06	2.00#	-1.84#	-1.63#	8.18#	4.11	3.63	2.71	-1.10	-2.81#	7.93#	3.92*	9.24#	-5.73#	-1.49	0.41	0.08	-0.72
1972-73 SE OF DP		[illegible]	1.41	1.33	1.63	0.72	0.65	0.35	2.04	2.98	2.72	2.59	1.04	0.69	2.46	1.67	2.66	1.43	2.31	2.36	2.28	1.07
AGE: 17																						
1972-73 P-VALUE	12.90	11.59	12.35	14.80	12.67	12.77	13.01	11.72	18.03	17.03	16.03	16.58	15.01	9.88	12.41	17.91	14.37	9.50	11.82	12.94	10.00	13.51
1972-73 SE OF P-VAL	0.74	0.82	1.07	1.86	1.70	1.33	1.08	0.79	1.63	5.40	3.57	2.62	1.44	0.99	2.23	5.14	1.79	2.68	1.94	2.24	1.74	0.99
1972-73 DELTA-P		-1.31	-0.55	1.90	-0.23	-0.13	0.11	-1.18#	5.13#	4.13	3.13	3.68	2.11	-3.02#	-0.49	5.01	1.47	-3.40	-1.08	0.04	-2.90	0.61
1972-73 SE OF DP		0.92	1.10	1.43	1.44	1.02	0.88	0.47	1.59	5.09	3.21	2.51	1.26	0.81	2.26	4.79	1.70	2.54	2.05	2.01	1.76	0.98

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part K.

RESPONSE: 09 AGE: Ad TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	22.43	19.02	25.44	22.51	23.05	17.59	26.93	20.91	32.53	26.53	29.72	24.10	19.51	15.07	43.05	27.71	24.68	17.70	24.43	24.26	16.30	23.25
1972-73 SE OF P-VAL	1.06	2.12	1.77	2.53	1.71	1.32	1.80	1.06	4.32	5.93	2.41	2.62	1.92	1.64	8.77	4.24	3.68	2.29	4.16	3.95	2.46	1.35
1972-73 DELTA-P		-3.41	3.01	0.08	0.62	-4.84#	4.50#	-1.52#	10.10*	4.10	7.29#	1.67	-2.92	-7.36#	20.62*	5.28	2.25	-4.73*	2.00	1.83	-6.13#	0.82
1972-73 SE OF DP		[illegible]	1.73	1.95	1.59	1.23	1.16	0.58	4.05	5.62	2.15	2.36	1.53	1.60	8.54	4.15	3.36	2.18	3.82	3.71	2.19	1.20

EXERCISE: 203008-1234 UB228

Part L.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	4.69	5.10	5.63	3.42	4.65	3.96	5.36	4.15	6.95	6.11	13.34	6.44	6.16	2.70	4.62	11.26	6.52	0.57	6.58	4.65	2.38	4.38
1972-73 SE OF P-VAL	0.82	1.04	2.69	1.02	1.14	0.88	1.07	0.86	1.68	2.40	5.52	[illegible]	1.49	0.71	0.92	4.12	[illegible]	0.41	1.94	1.53	0.73	1.14
1972-73 DELTA-P		0.41	0.94	-1.27	-0.04	-0.73	0.67	-0.54	2.26	1.42	8.65	1.75	1.47	-1.99#	-0.07	6.57	1.83	-4.12#	1.89	-0.04	-2.31*	-0.31
1972-73 SE OF DP		1.10	2.06	1.08	1.16	0.56	0.52	0.31	1.34	2.39	4.91	[illegible]	0.93	0.76	0.98	[illegible]	1.80	0.90	1.88	1.53	1.00	0.74
AGE: 13																						
1972-73 P-VALUE	14.88	11.99	19.40	14.13	14.60	17.99	12.02	11.73	32.19	19.55	21.74	17.34	14.31	9.50	28.01	18.87	35.97	7.57	15.09	14.95	13.06	12.16
1972-73 SE OF P-VAL	1.08	1.91	1.97	1.85	2.70	1.28	[illegible]	1.03	3.25	3.84	3.41	3.91	1.45	1.08	2.88	4.76	4.26	1.50	3.11	3.20	2.63	1.45
1972-73 DELTA-P		-2.89	4.52*	-0.75	-0.28	3.11#	[illegible]	-3.15#	17.31#	4.67	6.86*	2.46	-0.57	-5.38#	13.13#	3.99	21.09#	-7.31#	0.21	0.07	-1.82	-2.72
1972-73 SE OF DP		1.73	1.83	1.65	2.17	0.70	[illegible]	0.64	2.95	3.69	3.28	3.51	1.01	1.05	2.23	4.49	4.06	1.68	3.01	2.77	2.59	1.38
AGE: 17																						
1972-73 P-VALUE	15.26	14.48	16.47	16.57	13.55	16.68	14.05	12.10	31.31	21.09	17.76	21.76	17.00	9.93	27.81	15.38	23.87	9.90	34.47	13.50	10.24	13.49
1972-73 SE OF P-VAL	1.11	1.49	3.34	2.18	[illegible]	1.74	1.18	0.97	3.56	6.67	3.62	3.97	1.69	1.05	4.36	4.76	2.75	1.97	[illegible]	2.59	1.67	1.47
1972-73 DELTA-P		-0.78	1.21	1.31	-1.71	1.42	-1.21	-3.16#	16.05#	5.83	2.50	6.50	1.74	-5.33#	12.55#	0.12	8.61#	-5.36#	19.21#	-1.76	-5.02#	-1.77
1972-73 SE OF DP		1.47	2.80	1.82	1.74	1.05	0.90	0.84	3.10	[illegible]	3.42	3.40	1.32	0.96	4.17	4.63	2.25	2.14	6.68	[illegible]	1.84	1.36
AGE: Ad																						
1972-73 P-VALUE	19.02	20.53	20.52	19.76	15.55	14.82	22.93	18.54	23.30	18.21	23.07	19.88	18.93	12.50	34.40	20.53	21.03	17.21	22.05	19.89	12.87	19.72
1972-73 SE OF P-VAL	1.12	2.22	1.60	2.38	2.38	1.23	1.79	1.14	3.71	5.48	2.64	2.34	1.71	1.69	7.18	4.34	3.24	3.05	3.60	3.62	2.26	1.47
1972-73 DELTA-P		1.51	1.50	0.74	-3.47	-4.20#	3.91#	-0.48	4.28	-0.81	4.05	0.86	-0.09	-6.52#	15.38*	1.51	2.01	-1.81	3.07	0.87	-6.15#	0.70
1972-73 SE OF DP		1.95	1.65	1.91	2.00	1.11	1.04	0.49	3.54	5.06	2.08	2.09	1.30	1.65	7.08	3.99	2.92	2.91	3.65	3.51	2.10	1.08
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	12.70	15.46	10.80	11.46	13.17	14.12	11.40	15.27	2.37	4.77	7.30	7.73	10.41	17.36	9.47	11.36	2.13	17.83	7.76	17.44	14.30	12.83
1972-73 SE OF P-VAL	1.02	1.83	1.92	2.01	2.24	1.54	1.03	1.21	0.78	2.14	2.40	2.67	1.57	1.67	1.38	2.89	0.92	3.38	2.00	2.26	2.12	1.81
1972-73 DELTA-P		2.76	-1.90	-1.24	0.47	1.42	-1.30	2.57#	-10.33#	-7.93#	-5.40*	-4.97	-2.29	4.66#	-3.23#	-1.34	-10.57#	5.13	-4.94#	4.74*	1.60	0.13
1972-73 SE OF DP		1.61	1.69	1.72	1.92	0.84	0.77	0.37	1.08	2.01	2.20	2.89	1.34	0.98	1.20	2.58	1.22	[illegible]	1.89	2.11	2.30	1.37
AGE: 13																						
1972-73 P-VALUE	26.87	31.17	18.98	29.39	26.77	27.74	26.07	31.00	6.81	15.14	11.28	24.43	29.41	32.17	13.75	22.97	10.35	36.51	25.43	30.87	[illegible]	27.02
1972-73 SE OF P-VAL	1.17	2.29	3.13	1.77	2.24	1.63	1.56	1.40	1.75	2.47	2.59	4.95	1.66	1.81	1.96	5.53	1.96	2.80	2.53	3.32	4.03	1.97
1972-73 DELTA-P		4.30*	-7.89#	2.52	-0.10	0.87	-0.80	4.13#	-20.06#	-11.73#	-15.59#	-2.44	2.54	5.30#	-13.12#	-3.90	-16.52#	9.64#	-1.44	4.00	0.50	0.15
1972-73 SE OF DP		2.01	2.63	1.66	1.95	1.11	1.03	0.64	2.24	2.72	2.90	4.89	1.44	1.20	2.06	5.37	2.25	2.85	2.70	3.32	3.72	1.49
AGE: 17																						
1972-73 P-VALUE	28.53	34.25	26.01	28.01	24.59	30.98	26.43	31.94	11.93	20.63	25.22	26.22	25.07	33.10	22.26	27.73	15.06	41.36	20.95	29.44	28.51	29.82
1972-73 SE OF P-VAL	1.30	2.83	2.74	2.47	2.18	2.01	1.77	1.38	2.23	2.95	4.56	3.35	1.68	1.81	4.24	5.89	1.97	4.18	4.01	2.82	3.96	1.83
1972-73 DELTA-P		5.72#	-2.52	-0.52	-3.94	2.45	-2.10	3.41#	-16.60#	-7.90#	-3.31	-2.31	-3.46*	4.57#	-6.27	-0.80	-13.47#	12.83#	-7.58	0.91	-0.02	1.29
1972-73 SE OF DP		2.27	2.48	2.09	2.09	1.45	1.26	0.57	2.29	2.99	4.21	3.03	1.49	1.15	4.07	5.49	2.05	3.88	3.94	2.81	3.82	1.55
AGE: Ad																						
1972-73 P-VALUE	23.53	20.41	20.46	27.40	24.63	27.63	19.72	25.36	14.53	12.80	17.78	26.40	22.88	29.57	13.46	21.61	20.54	29.99	25.07	26.95	20.79	21.89
1972-73 SE OF P-VAL	1.37	2.34	2.46	2.87	3.07	2.16	1.48	1.48	2.95	4.32	2.42	2.82	2.29	2.15	4.18	4.20	3.72	3.84	4.60	3.43	3.10	1.94
1972-73 DELTA-P		-3.12	-3.07	3.87	1.10	4.10#	-3.81#	1.83#	-9.00#	-10.73#	-5.75#	2.87	-0.65	6.04#	-10.07*	-1.92	-2.99	6.46	1.54	3.42	-2.74	-1.64
1972-73 SE OF DP		2.17	2.36	2.32	2.53	1.31	1.20	0.43	2.92	4.15	1.78	2.52	1.76	1.85	4.50	4.02	3.39	3.42	4.33	3.31	2.78	1.50

* The absolute value of this number is greater than 2.0 times its standard error.

# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 08220

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 1.

RESPONSE: 03 AGE: 9 TEXT: I Don't Know

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	15.20	12.75	10.96	13.01	16.21	13.57	16.70	13.70	[illegible]	22.00	5.66	15.11	14.22	13.17	20.63	14.02	22.65	15.11	13.93	[illegible]	12.08	16.07
1972-73 SE OF P-VAL	0.99	1.03	2.41	1.48	2.30	1.34	1.23	1.01	[illegible]	3.50	1.89	4.09	2.10	1.28	2.10	2.08	3.11	2.74	2.50	1.73	2.02	2.21
1972-73 DELTA-P		-2.45	3.76	-2.19	1.01	-1.63	1.50	-1.50#	5.02*	6.80	-9.54#	-0.09	-0.98	-2.03	5.43#	-1.18	7.45#	-0.09	-1.27	-2.38	-2.32	0.87
1972-73 SE OF DP		1.65	1.99	1.42	1.96	0.86	0.78	0.89	2.24	3.42	2.07	[illegible]	1.65	1.21	1.62	2.27	2.87	2.57	2.46	1.78	2.63	1.69
AGE: 13																						
1972-73 P-VALUE	6.02	5.99	6.73	5.95	6.92	7.48	6.21	6.65	7.81	6.95	10.92	4.86	6.94	5.36	10.04	9.76	9.33	4.29	4.54	6.30	6.74	7.33
1972-73 SE OF P-VAL	0.62	1.71	1.04	0.97	1.12	0.88	0.75	0.73	1.25	1.86	3.49	1.65	0.98	0.89	1.94	2.44	1.53	1.67	1.05	1.61	1.32	1.34
1972-73 DELTA-P		-0.03	1.01	-0.07	0.10	0.66	-0.61	-0.17	0.99	0.13	4.10	-1.96	0.12	-1.46*	3.22	2.94	2.51	-2.54	-2.20*	-0.04	-0.08	0.51
1972-73 SE OF DP		1.37	[illegible]	0.89	1.00	0.56	0.51	0.24	1.23	1.90	[illegible]	1.67	0.83	0.69	1.71	2.35	1.55	1.54	1.12	1.57	1.33	0.98
AGE: 17																						
1972-73 P-VALUE	4.70	4.68	4.05	4.19	5.91	3.98	5.35	4.76	2.96	7.05	[illegible]	3.57	5.14	4.14	4.33	5.90	3.33	3.01	2.05	4.04	4.50	5.45
1972-73 SE OF P-VAL	0.49	0.93	0.65	0.97	1.25	0.78	0.69	0.55	0.84	2.65	2.05	1.15	[illegible]	0.68	1.51	2.08	0.87	1.63	1.74	1.23	1.65	0.93
1972-73 DELTA-P		-0.02	-0.65	-0.51	1.21	-0.76	0.65	0.06	-1.74*	3.15	3.94	-1.13	0.44	-0.56	-0.37	1.20	-1.37	-0.89	-1.65	0.10	-0.20	0.75
1972-73 SE OF DP		0.79	0.70	0.81	1.04	0.58	0.51	0.23	0.85	2.54	1.98	1.03	0.69	0.52	1.45	2.06	[illegible]	1.48	1.78	1.12	1.06	0.71
AGE: AD																						
1972-73 P-VALUE	10.59	9.90	12.94	8.21	11.97	8.74	12.31	9.31	17.88	16.26	14.92	11.09	7.55	7.59	27.55	11.11	10.58	6.15	6.06	9.76	10.11	13.18
1972-73 SE OF P-VAL	1.13	2.25	1.59	2.57	2.09	1.10	1.54	1.15	3.67	5.15	2.49	2.12	1.03	1.63	7.64	2.94	2.73	2.37	2.45	2.13	2.47	2.20
1972-73 DELTA-P		-0.69	2.35	-2.38	1.38	-1.85*	1.72*	-1.28#	7.29*	5.67	4.33*	0.50	-3.04#	-3.00*	16.96*	0.52	-0.01	-4.44	-3.73	-0.83	-0.48	2.59
1972-73 SE OF DP		1.98	1.73	1.99	1.85	0.78	0.72	0.50	3.32	4.97	1.90	1.83	0.96	1.44	7.33	2.82	2.82	2.28	2.50	2.19	2.19	1.41

EXERCISE: 203008-1234 08220

Part 4.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.71	3.61	3.13	2.09	1.12	2.02	3.34	2.44	3.46	4.21	8.00	0.00	1.31	2.23	4.02	3.86	4.03	2.93	2.24	2.49	1.39	2.57
1972-73 SE OF P-VAL	0.55	1.06	1.06	1.46	0.51	0.53	0.77	0.60	1.01	2.02	3.11	0.00	0.37	0.98	1.07	1.48	1.74	2.37	0.95	0.94	1.31	0.94
1972-73 DELTA-P		0.90	0.42	0.18	-1.59*	-0.69	0.63	-0.27	0.75	1.50	5.29	-2.71#	-1.40*	-0.48	1.31	1.15	2.12	0.22	-0.47	-0.22	-1.32	-0.14
1972-73 SE OF DP		0.93	0.93	1.15	0.66	0.39	0.36	0.23	0.93	1.87	2.95	0.55	0.60	0.69	0.84	1.46	1.64	2.10	0.97	0.96	1.27	0.76
AGE: 13																						
1972-73 P-VALUE	1.04	0.98	0.11	2.49	0.34	1.19	0.90	0.95	2.10	0.00	0.67	0.78	0.63	1.32	1.50	6.35	0.64	1.04	1.12	1.07	0.37	0.07
1972-73 SE OF P-VAL	0.54	0.37	0.09	1.07	0.34	0.65	0.49	0.66	0.62	0.00	0.67	0.78	0.30	0.88	0.70	5.97	0.64	0.69	0.57	0.59	0.37	0.08
1972-73 DELTA-P		-0.06	-0.93	1.45	-0.70	0.15	-0.14	-0.09	1.06	-1.04	-0.37	-0.26	-0.41	0.28	0.46	5.31	-0.40	0.00	0.08	0.03	-0.67	-0.97
1972-73 SE OF DP		0.60	0.54	1.35	0.59	0.20	0.18	0.15	0.74	0.54	0.82	0.31	0.40	0.37	0.48	5.46	0.77	0.81	0.74	0.73	0.63	0.54
AGE: 17																						
1972-73 P-VALUE	1.47	2.37	2.92	0.34	0.46	1.15	1.75	0.67	5.73	2.57	1.27	3.27	0.71	0.62	7.01	0.00	2.11	0.00	20.46	0.18	0.00	0.11
1972-73 SE OF P-VAL	0.68	1.06	2.96	0.34	0.19	0.99	0.57	0.40	2.95	1.19	0.87	2.95	0.35	0.36	5.33	0.00	0.87	0.00	9.17	0.17	0.00	0.11
1972-73 DELTA-P		0.90	1.45	-1.13	-1.01	-0.32	0.28	-0.80	4.26	1.10	-0.20	1.80	-0.76	-0.85	6.34	-1.47*	0.64	-1.47*	18.99*	-1.29	-1.47*	-1.36*
1972-73 SE OF DP		0.99	2.37	0.72	0.69	0.48	0.37	0.43	2.34	1.08	1.19	2.35	0.52	0.44	5.09	0.68	0.91	0.68	0.55	0.69	0.68	0.68
AGE: AD																						
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21

RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	41.31	44.76	36.03	43.48	40.89	46.27	36.77	43.83	27.73	41.06	31.28	36.82	40.88	47.75	34.79	42.85	30.94	47.00	33.72	40.09	48.95	41.17
1972-73 SE OF P-VAL	1.35	3.18	2.34	2.49	2.54	2.23	1.38	1.69	2.57	5.09	3.67	5.31	2.47	2.23	2.44	4.75	3.57	4.31	3.62	3.09	3.14	2.38
1972-73 DELTA-P		3.45	-5.28*	2.17	-0.42	4.96#	-4.54#	2.52#	-13.58#	-0.25	-10.03#	-4.49	-0.43	6.44#	-6.52#	1.54	-10.37#	5.69	-7.59*	-1.22	7.64*	-0.14
1972-73 SE OF DP		2.58	2.12	2.20	2.28	1.31	1.18	0.71	2.49	5.25	4.01	5.01	2.16	1.51	2.16	4.52	3.65	3.05	3.35	3.49	[illegible]	2.02

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE mea[illegible] the 1972-73 Objective IIC.

Part B.

RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CIT	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	61.64	61.99	51.17	67.28	64.16	68.06	55.00	67.29	31.61	51.16	45.82	45.30	61.34	72.57	45.64	54.60	44.22	74.32	53.09	59.56	69.70	63.16
1972-73 SE OF P-VAL	1.50	3.07	3.92	2.76	2.23	1.54	2.38	1.46	2.36	4.24	5.02	3.90	2.24	1.70	3.31	7.30	3.45	2.01	5.36	2.02	4.38	2.46
1972-73 DELTA-P		0.35	-10.47#	5.64*	2.52	7.22#	-6.64#	5.65#	-30.03#	-10.48*	-15.82#	-16.34#	-0.30	10.93#	-16.00#	-7.04	-17.42#	12.68#	-8.55	-2.08	8.05#	1.52
1972-73 SE OF DP		2.65	3.29	2.39	2.14	1.35	1.28	0.83	2.62	4.23	4.70	3.25	1.53	1.28	3.22	7.00	3.64	2.43	5.06	2.05	2.90	1.96
AGE: 17																						
1972-73 P-VALUE	71.2[illegible]	67.95	64.02	75.05	76.84	79.92	63.76	77.92	40.08	52.06	50.99	59.01	68.79	81.12	52.50	74.72	55.88	78.02	39.08	77.23	70.83	75.26
1972-73 SE OF P-VAL	1.45	2.22	4.37	3.00	2.34	1.94	1.92	1.25	3.35	5.31	5.13	3.82	1.81	1.40	4.44	4.42	4.59	2.26	4.94	3.04	3.09	1.71
1972-73 DELTA-P		-3.26	-7.19	3.84	5.63#	8.71#	-7.45#	6.71#	-31.13#	-19.15#	-12.22#	-12.20#	-2.42	9.91#	-16.71#	3.51	-15.33#	7.61#	-31.33#	6.02*	-0.38	4.05#
1972-73 SE OF DP		2.11	3.72	2.46	2.22	1.40	1.25	0.98	3.13	5.29	4.55	3.49	1.49	1.12	4.07	4.36	4.04	2.33	4.98	2.93	2.02	1.51
AGE: Ad																						
1972-73 P-VALUE	68.10	65.38	62.26	69.85	73.46	79.82	57.20	72.15	44.28	51.48	55.71	66.63	71.67	80.13	43.49	71.77	46.95	76.08	62.67	65.67	72.14	70.35
1972-73 SE OF P-VAL	1.51	2.78	3.78	2.72	2.96	1.64	2.21	1.51	3.74	7.01	2.76	2.93	2.44	2.12	7.01	3.93	4.09	2.70	5.56	5.52	[illegible]	2.28
1972-73 DELTA-P		-2.72	-5.84	1.75	5.36*	11.72#	-10.90#	4.05#	-23.82#	-16.62*	-12.39#	-1.47	3.57	12.03#	-24.61#	3.67	-21.15#	7.96#	-5.43	-2.43	4.09	2.25
1972-73 SE OF DP		2.50	3.29	2.31	2.54	1.38	1.26	0.67	3.63	6.78	2.26	2.74	1.90	1.69	7.23	3.07	4.71	2.69	5.43	4.83	3.52	1.83

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CIT	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.81	3.49	4.20	3.36	4.22	3.00	4.55	4.03	2.67	3.65	5.05	2.75	1.67	2.74	7.01	3.94	7.42	3.33	3.13	3.39	4.89	3.02
1972-73 SE OF P-VAL	0.50	0.84	1.36	0.75	0.97	0.56	0.66	0.60	0.88	1.74	2.31	1.54	0.57	0.60	1.38	1.43	2.15	1.09	1.27	1.27	1.70	6.91
1972-73 DELTA-P		-0.32	0.39	-0.45	0.41	-0.81*	0.74*	0.22	-1.14	-0.16	1.24	-1.06	-2.14#	-1.07	3.20#	0.13	3.61	-0.48	-0.68	-0.42	1.08	-0.79
1972-73 SE OF DP		0.77	1.09	0.72	0.87	0.37	0.34	0.22	0.84	1.76	2.27	1.56	0.76	0.61	1.05	1.27	2.13	1.63	1.31	[illegible]	1.67	0.67
AGE: 13																						
1972-73 P-VALUE	7.30	6.44	8.66	6.98	7.31	5.15	9.28	5.50	15.91	12.67	12.52	11.04	7.41	3.93	12.73	8.92	11.95	4.91	10.52	3.61	5.67	7.57
1972-73 SE OF P-VAL	0.66	1.06	1.22	1.54	1.30	0.71	0.91	0.62	1.97	2.90	2.79	2.85	1.03	0.70	2.45	1.76	2.62	1.97	2.16	1.20	1.29	1.00
1972-73 DELTA-P		-0.86	1.36	-0.32	0.01	-2.15#	1.98#	-1.80#	8.61#	5.37	5.22	3.74	0.11	-3.37#	5.43*	1.62	4.65	-2.39	3.22	-3.69#	-1.63	0.27
1972-73 SE OF DP		1.00	1.13	1.22	1.12	0.51	0.48	0.35	1.77	2.74	2.68	2.02	0.87	0.74	2.18	1.76	2.48	1.74	1.97	1.19	1.31	0.89
AGE: 17																						
1972-73 P-VALUE	4.98	3.89	6.06	5.09	5.19	2.76	6.88	3.46	12.02	9.27	8.18	6.86	5.31	3.69	4.95	6.28	6.09	3.58	6.47	3.43	6.10	4.95
1972-73 SE OF P-VAL	0.60	1.05	1.14	1.48	0.89	0.59	0.92	0.56	1.96	3.15	1.93	1.28	1.08	0.66	2.11	2.34	1.59	1.08	2.28	1.19	1.93	0.78
1972-73 DELTA-P		-1.09	1.08	0.11	0.21	-2.22#	1.90#	-1.52#	7.04#	4.29	3.20	1.88	0.33	-1.29#	-0.03	1.30	1.11	-1.45	1.49	-1.55	1.12	-0.03
1972-73 SE OF DP		0.91	1.06	1.15	0.88	0.57	0.48	0.36	1.78	2.97	1.77	1.15	0.76	0.43	1.95	2.28	1.43	1.07	2.16	1.01	1.77	0.70
AGE: Ad																						
1972-73 P-VALUE	11.09	12.17	14.16	10.17	8.59	6.39	15.46	9.25	23.58	15.49	17.39	9.96	9.21	6.07	25.18	10.56	19.55	7.42	15.43	9.29	10.33	10.27
1972-73 SE OF P-VAL	0.86	2.04	1.28	1.68	1.73	1.08	1.27	0.74	3.56	4.75	1.98	1.69	1.21	[illegible]	6.07	2.21	3.67	1.66	5.71	2.12	2.26	1.28
1972-73 DELTA-P		1.08	3.07*	-0.92	-2.50	-4.70#	4.37#	-1.84#	12.49#	4.40	6.30#	-1.13	-1.88	-5.02#	14.09*	-0.53	8.46#	-3.67*	4.34	-1.80	-0.76	-0.82
1972-73 SE OF DP		1.70	1.28	1.39	1.47	0.78	0.77	0.47	3.13	4.67	1.49	1.63	1.03	1.28	6.59	2.27	3.38	1.71	5.49	1.96	2.36	1.17

EXERCISE: 203008-1234 UB228

Part B.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CIT	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.12	4.12	6.14	2.61	3.63	3.71	4.50	3.71	5.44	6.07	13.07	4.38	4.54	2.04	5.18	12.66	4.89	1.84	5.88	2.88	2.82	3.16
1972-73 SE OF P-VAL	0.72	1.11	2.32	0.65	1.02	0.95	0.76	0.77	1.59	2.31	5.81	1.97	1.14	0.57	0.89	4.24	1.05	0.90	1.62	1.36	0.89	0.71
1972-73 DELTA-P		0.00	2.02	-1.51	-0.49	-0.41	0.38	-0.41	1.32	1.95	8.95	0.26	0.42	-2.08#	1.06	8.54*	0.77	-2.28*	0.88	-1.28	-1.30	-0.96
1972-73 SE OF DP		1.07	1.78	0.85	1.03	0.48	0.44	0.29	1.35	2.22	5.27	1.66	0.84	0.56	0.85	3.67	1.03	1.04	1.61	1.38	1.01	0.67
AGE: 13																						
1972-73 P-VALUE	11.17	9.18	14.64	9.81	11.58	10.73	11.58	7.31	31.63	18.38	22.99	16.18	9.76	5.89	22.06	16.50	38.05	5.63	14.42	9.82	8.88	8.05
1972-73 SE OF P-VAL	1.02	1.71	1.56	2.49	1.99	1.20	1.30	1.01	3.26	3.02	3.66	3.25	1.45	1.16	2.32	5.71	4.22	1.56	2.97	1.88	2.01	1.24
1972-73 DELTA-P		-1.99	3.47*	-1.36	0.41	-0.44	0.41	-3.86#	20.46#	7.21*	11.82#	5.01	-1.41	-5.28#	10.89#	5.33	18.08#	-5.54#	3.25	-1.35	-3.17	-3.12#
1972-73 SE OF DP		1.57	1.55	1.95	1.72	0.76	0.70	0.65	3.08	3.00	3.68	2.95	1.17	0.83	1.90	5.27	4.04	1.48	2.92	1.76	2.06	1.14

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                            NATION |           REGION            |      SEX      |          RACE          |          PARENTAL EDUCATION            |               SIZE-AND-TYPE OF COMMUNITY
                                   | NORTH  SOUTH                |               |                 OTHER  |         SOME    GRAD    POST           |EXTREME  LOW     HIGH    MAIN   URBAN  MEDIUM  SMALL
                            _______|  EAST   EAST CENTRAL  WEST  |  MALE  FEMALE |  WHITE   BLACK   RACE  |  NO HS   HS      HS      HS  UNKNOWN |  RURAL  RURC    METRO  BIG CIT FRINGE  CITY  PLACES

EXERCISE: 203008-1234  08228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part #.

RESPONSE:  00     AGE: 17         TEXT:  No Response.

     1972-73 P-VALUE          8.00     8.28    9.17    7.84    6.82     7.32    8.58     4.99   22.98   14.32     10.42   12.74    8.35    4.61   17.67     7.63   15.04    4.60   29.62    5.03    7.30    5.11
     1972-73 SE OF P-VAL      1.00     1.56    3.28    1.90    1.28     1.44    1.01     0.81    3.70    3.83      2.52    3.65    1.38    6.84    3.58     3.16    3.55    1.75    7.31    1.36    2.34    0.83
     1972-73 DELTA-P                   0.28    1.17   -0.16   -1.18    -0.68    0.58    -3.01#  14.98#   6.32      2.42    4.74    0.35   -3.39#   9.67#   -0.37    7.04*  -3.40   21.62#  -2.97   -0.62   -2.89#
     1972-73 SE OF DP                  1.44    2.65    1.60    1.36     0.70    0.66     0.66    3.26    3.77      2.59    3.09    0.99    0.76    3.25     3.12    3.10    1.04    6.86    1.53    2.47    1.03

                  AGE: Ad

     1972-73 P-VALUE          9.48    10.55   11.39    9.61    6.78     5.62   13.07     8.06   19.27   12.61     14.21    8.55    8.22    5.21   22.80     6.32   15.28    7.48   14.15    7.76    7.70    9.48
     1972-73 S[illegible]-VAL 0.84     1.74    1.59    1.57    1.78     1.11    1.17     0.76    3.60    4.20      1.84    1.69    1.45    1.17    6.11     1.79    3.19    1.65    4.65    2.73    1.86    1.30
     1972-73 DELTA-P                   1.07    1.91    0.13   -2.78    -3.86#   3.59#   -1.42#   9.79#   3.13      4.73#  -0.93   -1.26   -4.27#  13.32*   -3.16    5.72   -2.08    4.67   -1.72   -1.78    0.00
     1972-73 SE OF DP                  1.51    1.48    1.32    1.49     0.81    0.75     0.45    3.22    4.05      1.54    1.32    1.19    1.15    5.00     1.63    2.08    1.61    4.43    2.48    1.92    1.09

RESPONSE:  01*    AGE:  9         TEXT:  All Acceptable Responses.

     1972-73 P-VALUE         32.42    35.37   25.55   36.07   32.58    37.06   28.17    36.63   12.05   26.98     19.59   23.02   32.11   40.92   23.99    31.61   15.75   38.90   24.59   33.97   40.75   32.92
     1972-73 SE OF P-VAL      1.35     3.27    2.31    2.39    2.54     2.19    1.29     1.66    1.92    4.55      3.24    4.86    2.62    2.17    2.57     6.45    2.61    4.98    3.76    3.72    3.46    2.15
     1972-73 DELTA-P                   2.95   -6.87#   3.65    0.16     4.64#  -4.25#    4.21#-20.37#  -5.44    -12.83#  -0.60   -0.31    8.50#  -8.43#   -0.81  -16.67#   6.48   -7.83*   1.55    8.33#   0.50
     1972-73 SE OF DP                  2.64    2.11    2.14    2.29     1.22    1.11     0.69    2.05    4.60      3.58    4.61    2.27    1.49    2.29     6.13    2.70    4.51    3.65    3.29    3.27    1.98

                  AGE: 13

     1972-73 P-VALUE         56.60    58.15   42.60   63.70   59.40    63.36   50.38    64.22   17.32   39.82     33.79   36.68   57.63   70.26   34.54    47.65   27.41   73.09   48.56   54.65   65.99   59.31
     1972-73 SE OF P-VAL      1.71     3.84    4.07    3.07    2.55     1.65    2.57     1.58    1.96    4.38      4.37    3.20    2.37    1.87    3.14     7.97    4.41    1.88    5.56    2.14    3.65    2.74
     1972-73 DELTA-P                   1.55  -14.00#   7.10#   2.80     6.76#  -6.22#    7.62#-39.28#-16.78#   -22.81#-19.92#   1.03   13.66#-22.06#   -8.95  -29.19#  16.49#  -8.04   -1.95    9.39#   2.71
     1972-73 SE OF DP                  3.21    3.47    2.70    2.88     1.35    1.29     1.00    2.44    4.56      4.03    3.06    1.56    1.38    3.16     7.56    4.75    2.45    5.25    2.76    3.39    2.24

                  AGE: 17

     1972-73 P-VALUE         68.20    66.00   59.94   72.06   73.49    76.77   60.87    75.38   34.20   49.35     53.95   55.35   66.23   78.39   48.81    69.61   52.33   75.09   37.34   73.57   69.48   72.75
     1972-73 SE OF P-VAL      1.51     2.23    4.36    3.19    2.69     2.21    1.89     1.25    3.35    5.43      5.03    4.32    1.90    1.56    4.46     5.99    4.73    2.27    4.66    3.18    3.20    1.88
     1972-73 DELTA-P                  -2.20   -8.26*   3.86    5.29*    8.57#  -7.33#    7.18#-34.00#-18.85#   -14.25#-12.85#  -1.97   10.19#-19.39#    1.41  -15.87#   6.89#-30.86#   5.37    1.28    4.55#
     1972-73 SE OF DP                  2.15    3.75    2.60    2.45     1.49    1.35     1.00    3.10    5.[illegible]6      4.64    3.88    1.55    1.13    4.07     5.05    4.19    2.47    4.63    2.97    2.96    1.67

                  AGE: Ad

     1972-73 P-VALUE         64.88    61.11   58.19   67.27   71.19    76.41   54.15    69.31   36.35   51.26     51.76   62.29   69.59   78.34   30.87    76.64   44.05   74.56   57.46   61.28   68.40   66.98
     1972-73 SE OF P-VAL      1.54     2.78    3.77    2.77    3.11     1.76    2.20     1.88    4.02    6.76      2.86    2.93    2.46    2.10    5.41     3.85    5.06    2.75    5.59    5.47    4.02    2.27
     1972-73 DELTA-P                  -3.77   -6.69*   2.39    6.31*   11.53#-10.73#    4.43#-20.53#-13.62*   -13.12#  -2.59    4.71#  13.26#-34.01#   -5.76  -20.79#   9.60#  -7.42   -3.60    3.52    2.70
     1972-73 SE OF DP                  2.51    3.30    2.35    2.65     1.43    1.27     0.66    3.87    6.88      2.37    2.71    1.86    1.03    5.67     3.85    4.82    2.82    5.48    4.79    3.86    1.81

RESPONSE:  03     AGE:  9         TEXT:  I Don't Know.

     1972-73 P-VALUE         12.66     6.93   17.40   12.12   14.27    10.74   14.41    10.76   20.35   18.42     10.92   13.28   11.46    8.69   19.61    12.33   19.52    9.47   13.24   11.20   12.60   12.73
     1972-73 SE OF P-VAL      1.12     1.42    3.37    1.33    2.34     1.17    1.45     0.95    3.39    8.03      3.42    2.78    1.68    1.24    1.92     2.66    2.59    2.28    2.77    2.16    2.43    2.37
     1972-73 DELTA-P                  -5.73#   4.74   -0.54    1.61    -1.92#   1.75#   -1.90#   7.69#   5.76     -1.74    0.62   -1.20   -3.97#   6.95#   -0.33    6.86#  -3.19    0.58   -1.46   -0.06    0.07
     1972-73 SE OF DP                  1.47    2.65    1.45    2.07     0.74    0.68     0.56    2.81    3.74      2.97    2.66    1.63    0.90    1.38     2.32    2.58    2.11    2.68    2.16    2.45    1.64

                  AGE: 13

     1972-73 P-VALUE          3.93     3.91    5.60    2.88    3.66     3.38    4.47     3.20    7.20    6.61      6.07    6.20    4.32    2.11    6.30     3.54    6.27    1.83    4.57    2.23    3.32    4.86
     1972-73 SE OF P-VAL      0.41     0.76    0.78    0.81    0.87     0.52    0.58     0.42    1.03    2.18      2.17    2.16    0.82    0.48    1.39     1.41    1.70    0.61    1.09    1.05    0.73    0.87
     1972-73 DELTA-P                  -0.02    1.67*  -1.05   -0.27    -0.59    0.54    -0.73#   3.27#   2.68      2.14    2.27    0.39   -1.82#   2.37    -0.39    2.34   -2.10#   0.64   -1.70   -0.61    0.93
     1972-73 SE OF DP                  0.68    0.71    0.68    0.73     0.39    0.36     0.21    0.96    2.06      2.15    1.99    0.62    0.56    1.31     1.39    1.63    0.62    1.03    1.00    0.77    0.67

                  AGE: 17

     1972-73 P-VALUE          2.02     1.24    3.38    1.75    2.14     0.67    3.18     1.63    3.92    2.86      3.86    1.85    2.27    1.39    3.51     1.69    2.80    0.37    2.98    2.40    1.48    2.18
     1972-73 SE OF P-VAL      0.38     0.58    1.18    0.75    0.56     0.25    0.60     0.38    1.38    1.96      1.30    0.73    0.76    0.32    1.57     1.00    1.28    0.37    1.54    0.99    0.77    0.62
     1972-73 DELTA-P                  -0.78    1.28   -0.27    0.12    -1.35#   1.16#   -0.39    1.90    0.84      1.84   -0.17    0.25   -0.63    1.49    -0.33    0.78   -1.65#   0.94    0.38   -0.54    0.16
     1972-73 SE OF DP                  0.54    0.96    0.63    0.56     0.37    0.27     0.20    1.18    1.92      1.13    0.68    0.53    0.34    1.88     1.00    1.14    0.53    1.48    0.86    0.73    0.47

                  AGE: Ad

     1972-73 P-VALUE          5.68     6.77    7.96    4.00    4.52     3.96    7.21     4.24   15.01    9.23      8.46    5.22    4.45    2.29   23.33     8.30    8.18    2.88    4.92    4.84    7.08    5.41
     1972-73 SE OF P-VAL      0.70     1.43    1.68    1.30    1.18     0.71    1.03     0.58    3.06    3.81      1.76    1.46    0.74    0.75    7.78     2.31    1.97    1.45    2.06    1.12    2.54    1.15
     1972-73 DELTA-P                   1.13    2.32   -1.64   -1.12    -1.68#   1.57#   -1.40#   9.37#   3.59      2.82*  -0.42   -1.19   -3.35#  17.69*    2.66    2.54   -2.76   -0.72   -0.80    1.44   -0.23
     1972-73 SE OF DP                  1.24    1.48    1.07    1.07     0.59    0.55     0.42    2.75    3.61      1.33    1.29    0.88    0.83    7.55     2.14    1.93    1.45    1.96    1.20    2.30    0.82

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 203008-1234 DB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 0.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	3.41	4.16	5.15	2.62	1.64	2.77	3.99	2.83	6.25	4.16	6.82	3.51	2.40	2.15	5.41	6.37	6.30	3.15	5.05	2.06	2.36	2.32
1972-73 SE OF P-VAL	0.56	1.23	0.96	1.37	0.65	0.60	0.76	0.59	1.76	1.65	3.36	1.73	0.61	0.94	1.20	1.46	2.71	2.36	1.51	0.97	1.41	0.69
1972-73 DELTA-P		0.75	1.74	-0.79	-1.77*	-0.64	0.58	-0.58*	2.84	0.75	3.41	0.10	-1.01	-1.26	2.00	2.56	2.89	-0.26	1.64	-1.35	-1.05	-1.09
1972-73 SE OF DP		1.04	0.87	1.10	0.71	0.42	0.39	0.29	1.56	1.62	3.25	1.69	0.70	0.67	1.04	1.51	2.56	2.08	1.40	0.98	1.35	0.68
AGE: 13																						
1972-73 P-VALUE	0.84	0.23	0.05	2.40	0.42	1.13	0.58	0.81	1.38	0.14	0.00	1.40	0.43	1.08	1.17	7.04	1.39	0.41	0.32	0.00	0.37	0.00
1972-73 SE OF P-VAL	0.59	0.16	0.05	2.06	0.42	0.76	0.45	0.72	0.87	0.14	0.00	0.97	0.26	0.98	0.66	6.63	1.29	0.33	0.31	0.00	0.37	0.00
1972-73 DELTA-P		-0.61	-0.79	1.56	-0.42	0.29	-0.26	-0.03	0.54	-0.70	-0.84	0.56	-0.41	0.24	0.33	6.20	0.55	-0.43	-0.52	-0.84	-0.47	-0.84
1972-73 SE OF DP		0.60	0.59	1.49	0.66	0.20	0.18	0.18	0.95	0.60	0.59	0.59	0.40	0.43	0.42	6.07	1.32	0.66	0.65	0.59	0.67	0.59
AGE: 17																						
1972-73 P-VALUE	1.92	3.11	3.77	0.43	0.66	1.66	2.18	0.98	6.65	3.83	2.63	4.18	0.71	0.65	11.58	0.18	2.64	0.00	22.71	0.00	1.06	0.55
1972-73 SE OF P-VAL	0.72	1.21	3.04	0.32	0.41	1.02	0.64	0.46	2.69	2.32	1.43	3.00	0.35	0.37	6.24	0.18	0.74	0.00	9.46	0.00	0.79	0.44
1972-73 DELTA-P		1.19	1.85	-1.49	-1.26	-0.26	0.22	-0.94*	4.73*	1.91	0.71	2.26	-1.21*	-1.27#	9.66	-1.74*	0.72	-1.92#	20.79*	-1.92#	-0.86	-1.37
1972-73 SE OF DP		1.10	2.44	0.75	0.78	0.46	0.40	0.43	2.05	2.08	1.50	2.43	0.60	0.49	5.95	0.74	0.87	0.72	8.84	0.72	1.00	0.75
AGE: Ad																						
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	13.59	13.00	16.63	12.53	12.15	12.59	14.51	12.35	18.95	16.63	24.50	11.28	12.20	13.56	13.16	20.28	16.53	11.29	11.44	8.76	14.40	14.23
1972-73 SE OF P-VAL	0.94	2.12	2.34	1.11	1.68	1.12	1.34	1.07	2.73	2.71	4.45	2.67	1.85	1.29	1.29	4.49	3.51	2.01	2.04	1.93	3.51	1.43
1972-73 DELTA-P		-0.59	3.04	-1.06	-1.44	-1.00	0.92	-1.24*	5.36*	3.04	10.91#	-2.31	-1.39	-0.03	-0.43	6.69	2.94	-2.30	-2.15	-4.83*	0.81	0.64
1972-73 SE OF DP		1.77	1.88	1.21	1.55	0.85	0.78	0.50	2.43	2.79	4.17	2.79	1.39	0.86	1.18	4.07	3.48	2.03	2.08	1.95	3.15	1.24
AGE: 13																						
1972-73 P-VALUE	7.82	10.74	10.27	4.24	6.80	8.85	6.87	6.69	14.65	8.11	8.32	7.15	7.72	7.55	9.00	7.31	11.93	9.43	10.57	5.55	6.36	6.81
1972-73 SE OF P-VAL	0.62	1.40	1.24	0.89	1.22	1.01	0.71	0.69	2.51	2.49	2.37	1.96	1.07	0.97	1.54	2.68	2.96	2.34	2.02	2.03	1.49	0.92
1972-73 DELTA-P		2.92#	2.45*	-3.58#	-1.02	1.03	-0.95	-1.13*	6.83#	0.29	0.50	-0.67	-0.10	-0.27	1.18	-0.51	4.11	1.61	2.75	-2.27	-1.46	-1.01
1972-73 SE OF DP		1.15	1.11	0.86	1.04	0.64	0.59	0.47	2.35	2.47	2.29	1.84	0.91	0.72	1.42	2.58	2.79	2.20	1.95	1.94	1.45	0.84
AGE: 17																						
1972-73 P-VALUE	12.85	14.16	9.71	14.24	12.41	13.89	11.96	13.85	7.77	11.00	11.20	8.27	13.07	15.35	5.43	9.97	10.01	22.06	8.72	15.06	12.42	11.32
1972-73 SE OF P-VAL	0.77	1.58	1.02	1.79	1.28	1.23	1.18	0.85	1.35	3.27	3.58	2.02	1.26	1.43	2.09	2.56	2.06	2.89	2.33	1.92	1.90	1.11
1972-73 DELTA-P		1.31	-3.14#	1.39	-0.44	1.04	-0.89	1.00#	-5.08#	-1.85	-1.65	-4.58*	0.22	2.50#	-7.42#	-2.88	-2.84	9.21#	-4.13	2.21	-0.43	-1.53
1972-73 SE OF DP		1.29	1.11	1.41	1.21	0.99	0.86	0.32	1.41	3.11	3.48	1.97	1.18	0.97	2.19	2.50	2.02	2.57	2.35	1.73	1.96	1.01
AGE: Ad																						
1972-73 P-VALUE	15.39	14.40	12.12	14.06	20.48	16.18	14.66	16.26	10.15	12.00	10.63	12.15	14.80	23.81	9.42	12.43	12.00	19.65	15.13	16.38	15.46	15.09
1972-73 SE OF P-VAL	0.96	1.50	2.26	1.70	2.13	1.40	1.11	1.03	3.16	3.71	1.79	2.33	1.60	2.12	4.05	3.10	3.12	3.18	4.41	2.49	2.94	1.51
1972-73 DELTA-P		-0.99	-3.27	-1.33	5.09#	0.79	-0.73	0.87*	-5.24	-3.39	-4.76#	-3.24	-0.59	8.42#	-5.97	-2.96	-3.39	4.26	-0.26	0.99	0.07	-0.30
1972-73 SE OF DP		1.45	1.95	1.47	1.76	0.84	0.78	0.41	2.93	3.64	1.57	2.22	1.21	1.79	4.25	2.90	2.96	2.81	4.14	2.46	2.97	1.29

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 9																						
1972-73 P-VALUE	5.27	7.05	4.56	4.35	5.15	4.93	5.58	5.48	4.98	3.45	4.63	3.84	4.30	4.22	7.91	5.40	10.72	6.43	5.22	4.01	4.95	4.02
1972-73 SE OF P-VAL	0.60	0.92	1.32	1.33	1.21	0.79	0.82	0.72	1.22	1.56	2.24	1.65	0.92	0.80	1.22	1.73	2.19	1.57	1.40	1.54	1.73	0.93
1972-73 DELTA-P		1.78	-0.71	-0.92	-0.12	-0.34	0.31	0.21	-0.29	-1.82	-0.64	-1.43	-0.97	-1.05	2.64#	0.13	5.45#	1.16	-0.05	-1.26	-0.32	-1.25
1972-73 SE OF DP		0.89	1.11	1.10	1.06	0.56	0.51	0.25	1.13	1.66	2.17	1.62	0.76	0.63	0.95	1.71	2.01	1.47	1.28	1.32	1.60	0.81
AGE: 13																						
1972-73 P-VALUE	11.92	12.50	11.38	12.59	11.10	10.20	13.50	10.91	14.70	19.35	17.61	11.67	11.04	10.02	17.11	11.13	13.82	9.39	12.88	13.55	10.74	12.18
1972-73 SE OF P-VAL	0.87	2.20	1.08	1.98	1.30	0.89	1.24	1.03	1.96	3.80	3.40	2.24	1.44	1.14	2.38	2.71	3.30	2.29	2.31	2.99	2.03	1.48
1972-73 DELTA-P		0.58	-0.54	0.67	-0.82	-1.72#	1.58#	-1.01*	2.78	7.43	5.69	-0.25	-0.88	-1.90*	5.19*	-0.79	1.90	-2.53	0.96	1.63	-1.18	0.26
1972-73 SE OF DP		1.79	1.18	1.59	1.25	0.68	0.63	0.42	1.92	3.72	3.37	2.06	1.06	0.80	2.20	2.60	3.16	2.14	2.21	2.80	1.95	1.15

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part O.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	12.69	12.15	12.04	12.68	13.91	9.99	15.00	11.44	15.59	22.75	15.98	13.44	13.68	11.57	10.32	12.41	13.19	8.92	17.92	15.90	12.60	11.51
1972-73 SE OF P-VAL	0.83	1.82	1.29	1.54	1.72	0.99	1.31	0.88	2.16	3.52	3.34	2.24	1.54	1.21	3.66	2.91	2.24	1.55	3.94	2.37	1.69	1.35
1972-73 DELTA-P		-0.54	-0.65	-0.01	1.22	-2.70#	2.31#	-1.25#	2.90	10.06#	3.29	0.75	0.99	-1.12	-2.37	-0.28	0.50	-3.77*	5.23	3.21	-0.09	-1.18
1972-73 SE OF DP		1.46	1.28	1.31	1.50	0.89	0.77	0.43	2.04	3.40	3.40	1.98	1.18	0.98	3.64	2.85	2.09	1.56	3.84	2.01	1.75	1.08
AGE: Ad																						
1972-73 P-VALUE	20.27	21.88	20.14	21.34	18.06	15.65	24.56	18.60	30.37	26.62	29.34	23.70	16.68	12.66	27.01	23.29	33.75	16.68	19.50	14.03	19.41	20.01
1972-73 SE OF P-VAL	1.13	2.56	2.21	1.99	2.23	1.54	1.65	1.10	4.12	5.99	2.58	3.04	1.73	1.82	7.10	3.65	4.16	3.60	4.08	2.38	3.95	1.44
1972-73 DELTA-P		1.21	-0.13	1.07	-2.21	-4.62#	4.29#	-1.67#	10.10#	6.35	9.07#	3.43	-3.59*	-7.61#	6.74	3.02	13.48#	-3.59	-0.77	-6.24#	-0.86	-0.26
1972-73 SE OF DP		2.16	2.03	1.72	1.91	1.18	1.10	0.56	3.71	5.15	2.23	2.66	1.49	1.73	6.93	3.43	3.86	3.23	4.01	2.29	3.64	1.29
EXERCISE: 203008-1234 UB228																						
Part P.																						
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	5.38	5.94	6.66	3.78	5.18	5.02	5.71	4.62	7.60	9.60	11.72	5.08	6.30	2.15	8.29	11.29	11.05	1.88	5.84	3.80	3.71	4.87
1972-73 SE OF P-VAL	0.75	1.14	1.99	1.33	1.38	0.82	0.97	0.80	1.75	2.87	4.71	2.57	1.45	0.56	1.33	3.50	2.54	0.81	1.53	1.44	0.95	1.11
1972-73 DELTA-P		0.56	1.28	-1.60	-0.20	-0.36	0.33	-0.76*	2.22	4.22	6.34	-0.30	0.92	-3.23#	2.91#	5.91	5.67*	-3.50#	0.46	-1.58	-1.67	-0.51
1972-73 SE OF DP		1.10	1.59	1.19	1.25	0.52	0.48	0.33	1.57	2.74	4.28	2.29	1.03	0.81	1.06	3.08	2.36	0.96	1.45	1.41	1.08	0.84
AGE: 13																						
1972-73 P-VALUE	14.72	13.55	17.18	14.16	14.34	14.71	14.73	11.22	32.34	23.36	26.72	16.62	15.64	8.02	26.12	19.69	32.92	6.76	16.30	14.18	11.99	12.83
1972-73 SE OF P-VAL	1.14	2.11	1.42	2.77	2.23	1.54	1.43	1.22	3.75	3.77	3.65	3.00	1.68	1.22	2.65	7.72	5.72	1.64	2.77	2.69	2.83	1.29
1972-73 DELTA-P		-1.17	2.46	-0.56	-0.38	-0.01	0.01	-3.50#	17.62#	8.64*	12.00#	1.90	0.92	-6.70#	11.40#	4.97	18.20#	-7.96#	1.58	-0.54	-2.73	-1.89
1972-73 SE OF DP		1.88	1.55	2.17	1.92	1.00	0.92	0.78	3.49	3.73	3.70	2.52	1.12	1.00	2.22	7.13	5.45	1.89	2.90	2.57	2.67	1.35
AGE: 17																						
1972-73 P-VALUE	15.43	15.99	17.80	13.03	15.54	14.64	16.10	12.04	32.49	22.14	18.67	20.64	15.42	10.46	36.22	11.23	25.95	8.78	46.02	12.75	13.09	12.16
1972-73 SE OF P-VAL	1.29	1.60	3.88	2.38	2.67	1.99	1.29	1.04	3.81	4.85	3.64	4.06	1.62	1.22	5.36	3.26	4.28	2.12	7.55	2.15	3.06	1.30
1972-73 DELTA-P		0.56	2.37	-2.40	0.11	-0.79	0.67	-3.39#	17.06#	6.71	3.24	5.21	-0.01	-4.97#	20.79#	-4.20	10.52#	-6.65#	30.59#	-2.68	-2.34	-3.27*
1972-73 SE OF DP		1.69	3.25	2.02	2.34	1.10	0.94	0.84	3.05	4.43	3.55	3.36	1.21	0.95	5.13	3.35	3.65	2.11	7.12	2.02	2.93	1.38
AGE: Ad																						
1972-73 P-VALUE	16.59	21.04	14.89	17.98	12.28	13.42	19.53	15.58	24.22	17.62	21.14	21.58	13.15	12.04	25.22	16.19	25.94	16.22	20.26	10.05	13.95	16.52
1972-73 SE OF P-VAL	1.05	2.23	1.56	1.91	2.36	1.48	1.55	1.01	3.59	5.43	2.46	2.83	1.67	1.85	6.30	3.86	3.81	3.20	3.62	2.74	3.84	1.53
1972-73 DELTA-P		4.45*	-1.70	1.39	-4.31*	-3.17#	2.94#	-1.01*	7.63*	1.03	4.55*	4.99	-3.44*	-4.55#	8.63	-0.40	9.35#	-0.37	3.67	-6.54*	-2.64	-0.07
1972-73 SE OF DP		1.92	1.58	1.62	1.94	1.15	[illegible]	0.49	3.24	5.12	2.12	2.53	1.44	1.79	5.98	3.53	3.65	2.88	3.50	2.69	3.66	1.34
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	2.78	3.11	2.99	2.74	2.25	3.85	1.80	3.31	0.66	1.08	1.50	2.90	2.94	4.04	1.02	1.91	0.00	3.24	1.53	3.35	0.98	4.53
1972-73 SE OF P-VAL	0.45	0.76	1.03	0.92	0.82	0.65	0.52	0.53	0.43	0.75	1.18	1.51	0.78	0.85	0.44	0.93	0.00	1.13	0.71	1.44	0.48	0.98
1972-73 DELTA-P		0.33	0.21	-0.04	-0.53	1.07#	-0.98#	0.53#	-2.12#	-1.70	-1.28	0.12	0.16	1.26*	-1.76#	-0.87	-2.78#	0.46	-1.25	0.57	-1.80#	1.75*
1972-73 SE OF DP		0.69	0.85	0.78	0.74	0.39	0.36	0.13	0.40	0.87	1.01	1.38	0.76	0.58	0.46	0.83	0.45	1.08	0.71	1.31	0.59	0.73
AGE: 13																						
1972-73 P-VALUE	4.69	4.14	5.08	5.54	3.97	6.51	3.02	5.61	0.48	1.54	0.93	4.19	5.11	6.42	0.52	5.22	0.68	6.71	3.01	2.63	8.58	4.61
1972-73 SE OF P-VAL	0.51	0.66	1.14	1.25	0.86	0.84	0.55	0.61	0.30	1.15	0.63	2.21	0.94	1.01	0.29	2.36	0.41	1.69	0.89	1.16	1.94	0.67
1972-73 DELTA-P		-0.55	0.39	0.85	-0.72	1.82#	-1.67#	0.92#	-4.21#	-3.15#	-3.76#	-0.50	0.42	1.73*	-4.17#	0.53	-4.01#	2.02	-1.68	-2.06	3.89*	-0.08
1972-73 SE OF DP		0.70	1.00	0.98	0.79	0.50	0.47	0.18	0.53	1.20	0.77	2.18	0.84	0.70	0.55	2.21	0.62	1.55	0.93	1.15	1.69	0.65
AGE: 17																						
1972-73 P-VALUE	10.72	10.61	8.93	13.23	9.42	13.05	8.73	12.78	2.01	2.90	5.72	5.71	11.35	13.57	3.40	11.94	5.35	16.62	5.21	12.69	11.31	10.20
1972-73 SE OF P-VAL	0.88	1.92	1.40	2.13	0.92	1.17	1.21	1.00	0.78	1.27	2.04	1.65	1.14	1.43	1.82	3.25	2.92	3.62	1.81	1.85	2.16	1.31
1972-73 DELTA-P		-0.11	-1.79	2.51	-1.38	2.33#	-1.99#	2.06#	-8.71#	-7.82#	-5.00#	-5.01#	0.63	2.85#	-7.32#	1.22	-5.37	5.90	-5.51#	1.97	0.59	-0.52
1972-73 SE OF DP		1.55	1.39	1.65	1.11	0.84	0.75	0.29	1.12	1.85	1.96	1.45	0.97	0.89	1.76	3.24	2.72	3.21	1.97	1.70	2.17	1.15

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part P.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: Ad TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	12.50	10.54	10.94	13.56	14.41	14.87	10.30	13.73	5.32	7.42	6.69	9.05	13.24	20.60	4.40	10.80	4.51	11.43	6.64	13.18	18.54	14.37
1972-73 SE OF P-VAL	0.93	1.48	1.46	2.18	1.82	1.74	1.02	0.95	2.32	5.55	1.55	1.88	1.78	2.06	2.68	2.47	1.18	2.46	2.42	2.18	2.33	1.73
1972-73 DELTA-P		-1.96	-1.56	1.06	1.91	2.37*	-2.20*	1.23#	-7.18#	-5.08	-5.81#	-3.45	0.74	8.10#	-8.10#	-1.70	-7.99#	-1.07	-5.86#	0.68	6.04#	1.87
1972-73 SE OF DP		1.41	1.44	1.68	1.56	1.11	1.04	0.41	2.24	5.26	1.38	1.83	1.31	1.86	2.88	2.42	1.38	2.26	2.26	2.12	2.22	1.28
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	16.05	12.77	18.60	15.27	17.65	14.48	17.49	14.46	23.01	19.79	12.22	20.58	17.69	11.92	20.71	15.33	19.64	15.77	14.40	14.78	14.62	17.16
1972-73 SE OF P-VAL	1.32	2.61	3.79	1.72	2.26	1.83	1.65	1.35	2.96	3.60	3.17	4.95	2.40	1.41	1.85	2.45	2.62	2.62	2.63	2.29	3.40	3.38
1972-73 DELTA-P		-3.28	2.55	-0.78	1.60	-1.57	1.44	-1.59#	6.96#	3.74	-3.83	4.53	1.64	-4.13#	4.66#	-0.72	3.59	-0.28	-1.65	-1.27	-1.43	1.11
1972-73 SE OF DP		2.29	3.00	1.78	2.18	0.84	0.78	0.52	2.40	3.57	3.14	4.25	1.68	1.11	1.44	2.45	2.72	2.75	2.57	2.49	3.24	2.41
AGE: 13																						
1972-73 P-VALUE	6.56	7.23	6.58	6.05	6.45	6.52	6.60	6.19	7.75	8.95	8.49	6.18	5.79	6.15	8.88	7.80	8.04	4.03	5.55	6.39	6.98	7.08
1972-73 SE OF P-VAL	0.59	1.45	0.79	1.17	1.13	0.83	0.88	0.69	1.05	1.80	2.40	1.93	0.91	1.08	1.58	2.46	1.67	1.18	1.43	1.01	2.16	0.96
1972-73 DELTA-P		0.67	0.02	-0.51	-0.11	-0.04	0.04	-0.37	1.19	2.39	1.93	-0.38	-0.77	-0.41	2.32	1.24	1.48	-2.53*	-1.01	-0.17	0.42	0.52
1972-73 SE OF DP		1.19	0.84	0.98	0.98	0.65	0.60	0.21	1.04	1.78	2.40	1.87	0.83	0.78	1.54	2.35	1.66	1.15	1.36	1.71	1.96	0.77
AGE: 17																						
1972-73 P-VALUE	4.43	5.77	3.12	3.82	4.72	3.35	5.36	4.04	4.32	9.88	5.31	5.84	4.90	3.91	1.81	5.87	4.53	2.91	1.34	6.39	2.43	4.77
1972-73 SE OF P-VAL	0.58	1.38	0.81	0.86	1.24	0.60	0.94	0.59	1.12	3.25	1.36	1.65	1.03	0.76	0.88	2.69	1.58	1.14	1.04	1.83	1.06	0.84
1972-73 DELTA-P		1.34	-1.31	-0.61	0.29	-1.08	0.93	-0.39	-0.11	5.45	0.88	1.41	0.47	-0.52	-2.62#	1.44	0.10	-1.52	-3.09#	1.96	-2.00	0.34
1972-73 SE OF DP		1.06	0.84	0.81	1.07	0.59	0.51	0.29	1.00	3.06	1.38	1.44	0.82	0.55	0.95	2.55	1.49	1.16	1.13	1.61	1.00	0.67
AGE: Ad																						
1972-73 P-VALUE	10.92	11.00	13.76	8.62	11.08	8.43	13.24	9.85	17.15	15.47	16.11	9.13	9.86	5.90	28.75	11.26	16.89	6.82	5.36	10.87	15.09	11.09
1972-73 SE OF P-VAL	1.04	1.70	2.03	2.15	2.15	1.10	1.53	1.05	3.23	5.36	2.54	1.60	1.50	1.48	7.72	2.61	2.74	2.57	2.31	2.51	3.25	1.85
1972-73 DELTA-P		0.08	2.84	-2.30	0.16	-2.49#	2.32#	-1.07*	6.23*	4.55	5.19#	-1.79	-1.06	-5.02#	17.83*	0.34	5.97*	-4.10	-5.56*	-0.05	4.17	0.17
1972-73 SE OF DP		1.65	1.88	1.71	1.82	0.91	0.82	0.49	2.98	5.10	2.01	1.49	1.26	1.44	7.62	2.48	2.76	2.36	2.39	2.44	2.99	1.32

EXERCISE: 203008-1234 UB228

Part Q.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	2.64	3.85	3.77	1.60	1.31	2.66	2.62	2.13	5.14	3.24	7.34	3.01	2.06	1.30	4.14	5.54	6.60	2.17	3.08	1.81	1.24	1.76
1972-73 SE OF P-VAL	0.42	0.85	1.05	0.74	0.63	0.69	0.56	0.44	1.12	1.47	3.23	1.82	0.50	0.49	0.88	2.04	1.93	1.27	1.13	1.10	0.77	0.72
1972-73 DELTA-P		1.21	1.13	-1.04	-1.33*	0.02	-0.02	-0.51#	2.50#	0.60	4.70	0.37	-0.58	-1.34#	1.50*	2.90	3.96*	-0.47	0.44	-0.83	-1.40	-0.88
1972-73 SE OF DP		0.74	0.85	0.66	0.61	0.49	0.45	0.20	0.99	1.40	3.01	1.86	0.48	0.45	0.68	1.95	1.84	1.19	1.12	1.00	0.72	0.65
AGE: 13																						
1972-73 P-VALUE	1.24	0.52	0.66	2.78	0.77	1.52	0.99	0.98	3.22	0.41	1.03	1.07	1.10	1.18	1.96	7.34	1.30	0.41	1.22	0.86	1.61	0.10
1972-73 SE OF P-VAL	0.60	0.27	0.37	2.06	0.49	0.78	0.49	0.72	1.12	0.37	0.73	0.83	0.42	0.99	0.85	6.62	1.29	0.33	0.66	0.56	0.70	0.09
1972-73 DELTA-P		-0.72	-0.58	1.54	-0.47	0.28	-0.25	-0.26	1.98	-0.83	-0.21	-0.17	-0.14	-0.06	0.72	6.10	0.06	-0.83	-0.02	-0.38	0.37	-1.14
1972-73 SE OF DP		0.63	0.66	1.50	0.69	0.25	0.23	0.21	1.15	0.69	0.92	0.37	0.47	0.45	0.66	6.06	1.33	0.66	0.84	0.78	0.86	0.61
AGE: 17																						
1972-73 P-VALUE	2.22	3.21	4.63	0.76	0.66	2.37	2.09	1.43	6.72	2.57	2.44	4.49	0.97	1.22	10.72	2.46	2.50	0.00	21.35	0.00	0.69	1.28
1972-73 SE OF P-VAL	0.76	0.98	3.36	0.43	0.41	1.16	0.57	0.57	2.94	1.19	1.42	3.24	0.43	0.54	5.38	1.25	1.00	0.00	8.98	0.00	0.69	0.81
1972-73 DELTA-P		0.99	2.41	-1.46	-1.56	0.15	-0.13	-0.79	4.50	0.35	0.22	2.27	-1.25*	-1.00	8.50	0.24	0.28	-2.22#	19.13*	-2.22#	-1.53	-0.94
1972-73 SE OF DP		1.01	2.68	0.82	0.82	0.50	0.43	0.42	2.31	1.18	1.43	2.63	0.57	0.58	5.13	1.39	0.96	0.76	8.36	0.76	0.97	0.87
AGE: Ad																						
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 UB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part Q.

RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	49.90	51.92	44.43	51.49	51.80	53.91	46.22	53.72	29.93	47.95	28.11	40.70	49.56	58.26	43.45	44.68	33.64	59.47	43.92	50.08	56.38	50.90
1972-73 SE OF P-VAL	1.55	2.34	3.34	2.86	3.81	2.11	1.98	1.92	2.50	5.10	3.59	6.13	2.37	2.58	2.69	[illegible]	3.21	3.67	3.19	4.78	3.81	3.25
1972-73 DELTA-P		2.02	-5.47	1.59	1.90	4.01#	-3.68#	3.82#	-19.97#	-1.95	-21.79#	-9.20	-0.34	8.36#	-6.45#	-5.22	-16.26#	9.57#	-5.98	0.18	6.48	1.00
1972-73 SE OF DP		2.25	2.80	2.52	3.22	1.39	1.24	0.72	2.48	5.40	3.69	5.36	2.37	1.73	2.46	3.37	3.27	3.45	3.43	4.52	3.77	2.44

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	68.91	71.75	59.36	74.16	68.69	72.58	65.54	74.86	37.60	57.26	58.59	55.45	68.02	78.91	52.79	60.25	51.96	80.33	61.55	70.45	77.63	69.36
1972-73 SE OF P-VAL	1.59	3.03	4.27	3.15	2.14	1.92	2.06	1.45	3.04	4.43	4.61	3.43	2.12	2.02	2.64	7.39	4.78	2.08	4.96	2.61	4.11	2.45
1972-73 DELTA-P		2.84	-9.55#	5.25	-0.22	3.67#	-3.37#	5.95#	-31.31#	-11.65#	-10.32*	-13.46#	-0.89	10.00#	-16.12#	-8.66	-16.95#	11.42#	-7.36	1.54	8.72*	0.45
1972-73 SE OF DP		2.65	3.56	2.66	2.18	1.22	1.13	0.83	3.00	4.56	4.36	3.34	1.66	1.25	2.32	7.09	4.68	3.01	4.62	2.84	3.53	2.03

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	75.85	72.35	70.72	82.18	76.97	79.92	72.37	80.71	53.68	61.10	66.81	69.11	73.63	82.99	60.74	76.64	63.67	84.74	47.93	80.76	77.28	78.49
1972-73 SE OF P-VAL	1.41	3.12	3.55	2.00	2.55	2.02	1.54	1.53	2.39	5.60	4.85	3.23	2.35	1.56	4.44	2.23	3.46	2.26	5.75	2.12	3.73	2.72
1972-73 DELTA-P		-3.50	-5.13	6.33#	1.12	4.07#	-3.48#	4.86#	-22.17#	-14.75#	-9.04	-6.74*	-2.22	7.14#	-15.11#	0.79	-12.18#	8.89#	-27.92#	4.91*	1.43	2.64
1972-73 SE OF DP		2.48	3.10	1.94	2.34	1.13	0.97	0.80	2.44	5.44	4.57	3.07	1.65	1.06	4.30	2.54	3.27	2.35	5.63	2.23	3.57	2.05

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	69.62	68.12	59.91	71.87	76.45	80.02	59.95	74.63	37.99	53.19	58.68	66.78	72.49	81.30	50.28	70.53	52.27	79.29	69.91	71.83	69.37	69.58
1972-73 SE OF P-VAL	1.41	2.87	3.03	2.66	2.78	1.66	1.94	1.37	3.82	6.83	2.59	2.92	2.19	1.77	7.26	4.35	5.58	2.99	5.99	4.28	4.29	2.31
1972-73 DELTA-P		-1.50	-9.71#	2.25	6.83#	10.40#	-9.67#	5.01#	-31.63#	-16.43#	-10.94#	-2.84	2.87	11.68#	-19.34#	0.91	-17.35#	9.67#	0.29	2.21	-0.25	-0.04
1972-73 SE OF DP		2.50	2.77	2.21	2.37	1.26	1.18	0.85	3.64	6.55	2.17	2.61	1.58	1.65	7.24	4.20	5.23	2.85	5.73	3.96	4.30	1.90

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.90	5.25	4.21	3.01	3.13	4.04	3.77	3.91	3.99	3.60	4.33	3.38	2.07	3.51	5.89	5.25	7.18	4.06	3.81	4.23	5.27	1.93
1972-73 SE OF P-VAL	0.58	0.99	1.08	0.66	0.67	1.01	0.49	0.65	1.25	1.58	2.98	1.79	0.66	1.16	0.98	2.95	1.92	1.96	1.45	1.15	2.30	0.64
1972-73 DELTA-P		1.35	0.31	-0.89	-0.77	0.14	-0.13	0.01	0.09	-0.30	[illegible]	-0.52	-1.83*	-0.39	1.99*	1.35	3.28	0.16	-0.09	0.33	1.37	-1.97#
1972-73 SE OF DP		0.92	1.45	0.74	0.75	0.55	0.51	0.21	1.12	1.58	[illegible]	1.55	0.78	0.81	0.82	2.63	2.01	1.86	1.47	1.21	2.10	0.61

AGE: 13

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.35	6.33	7.84	5.95	5.53	4.71	7.86	4.91	12.15	13.01	10.02	9.01	5.39	3.94	12.71	6.24	11.88	3.48	9.73	7.74	3.89	5.51
1972-73 SE OF P-VAL	0.62	1.21	1.28	1.05	1.42	0.79	0.93	0.56	1.98	2.80	2.11	2.80	0.95	0.67	2.12	1.16	2.68	1.11	1.86	1.97	1.25	0.93
1972-73 DELTA-P		-0.02	1.49	-0.40	-0.82	-1.64#	1.51#	-1.44#	5.80#	6.66#	3.67	2.66	-0.96	-2.41#	6.36#	-0.11	5.53*	-2.87#	3.38	1.39	-2.46*	-0.84
1972-73 SE OF DP		1.07	1.14	0.93	1.17	0.62	0.57	0.32	1.77	2.62	2.15	2.67	0.69	0.63	1.82	1.25	2.47	1.12	1.71	1.76	1.19	0.81

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.70	5.79	5.03	3.09	5.05	2.46	6.62	3.92	7.14	9.59	5.99	5.64	5.80	3.15	6.65	2.80	6.23	2.37	8.70	5.16	3.10	4.93
1972-73 SE OF P-VAL	0.53	1.09	0.94	1.04	1.05	0.49	0.97	0.64	1.31	2.72	1.79	1.43	1.05	0.59	2.60	1.50	1.50	0.96	2.39	1.33	1.56	1.03
1972-73 DELTA-P		1.09	0.33	-1.61	0.35	-2.24#	1.92#	-0.78#	2.44	4.89	1.29	0.94	1.10	-1.55#	1.95	-1.90	1.53	-2.33*	4.00	0.46	-1.60	0.23
1972-73 SE OF DP		0.88	0.90	0.87	0.93	0.59	0.55	0.30	1.27	2.70	1.75	1.29	0.75	0.58	2.45	1.48	1.49	1.04	2.37	1.28	1.40	0.71

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	11.41	13.59	17.60	8.83	7.20	6.91	15.59	9.00	30.07	12.94	18.45	11.29	8.91	6.54	19.69	10.80	23.89	5.63	13.12	8.77	12.63	10.62
1972-73 SE OF P-VAL	0.83	1.66	2.50	1.23	1.49	0.97	1.31	0.83	4.19	4.38	2.24	1.98	1.33	1.15	6.45	2.32	4.01	1.60	4.20	2.25	2.56	1.50
1972-73 DELTA-P		2.18	6.19#	-2.58*	-4.21#	-4.50#	4.18#	-2.41#	18.66#	1.53	7.04#	-0.12	-2.50	-4.87#	8.28	-0.61	12.48#	-5.78#	1.71	-2.64	1.22	-0.79
1972-73 SE OF DP		1.45	2.12	1.16	1.32	0.84	0.80	0.53	3.96	4.28	1.90	1.66	1.31	1.17	6.31	2.21	3.82	1.63	4.03	2.10	2.67	1.21

EXERCISE: 203008-1234 UB228

Part R.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.21	3.65	6.13	3.15	3.93	3.62	4.75	3.60	6.46	6.59	13.85	3.25	4.96	1.95	5.36	11.74	8.78	1.37	2.35	4.19	3.35	3.12
1972-73 SE OF P-VAL	0.88	0.80	3.03	0.90	1.25	0.79	1.22	0.95	1.55	2.81	4.81	2.22	1.37	0.73	0.91	5.63	2.32	0.76	1.33	1.57	0.86	0.88
1972-73 DELTA-P		-0.56	1.92	-1.06	-0.28	-0.59	0.54	-0.61*	2.25	2.38	9.64*	-0.96	0.75	-2.26#	1.15	7.53	4.57	-2.84#	-1.86	-0.02	-0.86	-1.09
1972-73 SE OF DP		1.05	2.30	1.08	1.26	0.56	0.52	0.30	1.25	2.72	4.16	1.59	0.82	0.49	0.99	4.89	2.29	1.03	1.48	1.66	1.15	0.65

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 OB228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part B.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CTY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
RESPONSE: 00 AGE: 13 — TEXT: No Response.																						
1972-73 P-VALUE	10.69	9.34	15.96	9.52	8.74	11.01	10.39	7.35	29.02	15.68	22.18	15.62	10.03	5.19	20.69	17.64	26.50	3.72	14.99	9.76	7.41	8.05
1972-73 SE OF P-VAL	0.99	1.57	1.96	2.57	1.41	1.24	1.19	1.04	3.31	3.39	3.32	3.32	1.36	1.16	1.87	7.14	4.13	1.21	2.35	2.30	2.42	1.36
1972-73 DELTA-P		-1.35	5.27#	-1.17	-1.95	0.32	-0.30	-3.34#	18.33#	4.99	11.49#	4.93	-0.66	-5.50#	10.00#	6.95	15.81#	-6.97#	4.30	-0.93	-3.28	-2.64
1972-73 SE OF DP		1.48	1.77	1.99	1.40	0.73	0.67	0.63	3.20	3.38	3.43	3.04	0.95	0.81	1.50	6.60	4.06	1.46	2.49	2.36	2.35	1.35
AGE: 17																						
1972-73 P-VALUE	8.18	9.45	12.18	5.54	6.29	8.17	8.19	5.85	20.90	10.51	9.52	13.20	8.60	3.78	25.11	6.66	14.20	2.37	32.44	5.04	6.50	6.51
1972-73 SE OF P-VAL	1.09	1.38	4.06	1.18	2.06	1.55	1.01	0.93	3.75	4.02	2.52	3.05	1.20	0.78	4.47	2.40	3.40	1.00	7.94	1.44	3.17	1.11
1972-73 DELTA-P		1.27	4.00	-2.64	-1.89	-0.01	0.01	-2.33#	12.72#	2.33	1.34	5.10	0.42	-4.40#	16.93#	-1.52	6.00*	-5.81#	24.26#	-3.14*	-1.68	-1.67
1972-73 SE OF DP		1.04	3.30	1.34	1.06	0.72	0.62	0.62	3.07	3.93	2.25	3.17	0.85	0.76	4.25	2.57	2.86	1.33	7.37	1.45	3.00	1.24
AGE: Ad																						
1972-73 P-VALUE	10.32	14.53	13.47	8.58	5.77	7.34	13.05	8.71	23.57	9.84	14.95	9.50	8.60	7.20	19.60	6.76	16.91	7.38	14.44	8.81	9.90	9.68
1972-73 SE OF P-VAL	0.78	1.61	1.91	1.41	1.31	1.14	1.22	0.82	3.99	4.02	2.14	1.77	1.46	1.26	5.85	2.00	3.48	1.86	4.45	2.77	1.82	1.31
1972-73 DELTA-P		4.21#	3.15	-1.74	-4.55#	-2.98#	2.73#	-1.61#	13.25#	-0.48	4.63*	-0.82	-1.72	-3.12#	9.28	-3.56	6.59#	-2.94	4.12	-1.51	-0.42	-0.64
1972-73 SE OF DP		1.40	1.65	1.20	1.18	0.93	0.86	0.50	3.75	3.91	1.89	1.54	1.37	1.23	5.61	1.85	3.40	1.87	4.27	2.52	1.97	1.04
RESPONSE: 01* AGE: 9 — TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	42.58	45.47	36.36	44.40	44.11	47.22	38.33	47.56	18.43	35.94	23.94	29.76	41.61	53.08	33.55	36.01	19.25	53.13	37.90	44.77	49.31	43.98
1972-73 SE OF P-VAL	1.59	2.25	3.30	2.98	3.93	2.19	1.85	1.08	2.09	4.79	3.38	6.06	2.71	2.41	2.72	4.08	2.70	3.08	3.40	4.05	4.15	3.16
1972-73 DELTA-P		2.89	-6.22*	1.82	1.53	4.64#	-4.25#	4.98#	-24.15#	-6.64	-18.64#	-12.82*	-0.97	10.50#	-9.03#	-6.57	-23.33#	10.55#	-4.68	2.19	6.73	1.40
1972-73 SE OF DP		2.22	2.77	2.61	3.29	1.31	1.18	0.73	2.04	4.84	3.38	6.13	2.37	1.70	2.46	3.68	2.78	3.71	3.50	3.86	3.98	2.33
AGE: 13																						
1972-73 P-VALUE	64.10	67.38	50.09	71.20	65.18	66.94	61.49	71.93	23.93	46.46	41.45	43.72	64.16	77.73	44.60	49.74	36.83	79.90	59.21	65.70	74.25	65.49
1972-73 SE OF P-VAL	1.02	3.97	4.53	3.40	2.38	2.01	2.23	1.65	2.48	4.63	4.39	4.24	2.14	2.03	2.99	8.78	5.70	3.18	5.27	3.75	4.25	2.81
1972-73 DELTA-P		3.28	-14.01#	7.10*	1.08	2.84#	-2.61#	7.83#	-40.17#	-17.64#	-22.65#	-20.38#	0.06	13.63#	-19.50#	-14.36	-27.27#	15.80#	-4.89	1.60	10.15#	1.39
1972-73 SE OF DP		3.34	3.82	2.98	2.46	1.12	1.04	1.02	2.92	4.66	3.82	3.79	1.86	1.31	2.64	8.35	5.58	3.37	4.98	3.83	3.85	2.42
AGE: 17																						
1972-73 P-VALUE	71.67	68.52	63.61	79.08	73.67	74.87	68.94	77.53	43.86	56.34	60.23	63.17	70.41	80.21	48.13	71.83	57.65	82.28	39.85	75.65	74.23	75.16
1972-73 SE OF P-VAL	1.36	1.88	3.09	2.45	2.97	1.72	1.73	1.29	2.13	5.81	4.83	3.81	1.91	1.63	5.23	3.36	3.81	2.61	5.03	2.34	4.37	1.94
1972-73 DELTA-P		-3.15	-8.06*	7.41#	2.00	3.20#	-2.73#	5.86#	-27.81#	-15.33#	-11.44*	-8.50*	-1.26	8.54#	-23.54#	0.16	-14.02#	10.61#	-31.82#	3.98	2.56	3.49*
1972-73 SE OF DP		1.84	3.33	2.12	2.55	1.09	0.97	0.91	2.18	5.56	4.60	3.48	1.47	1.20	5.04	3.45	3.48	2.53	4.96	2.22	4.05	1.71
AGE: Ad																						
1972-73 P-VALUE	65.27	61.53	55.00	69.92	71.96	74.60	56.59	70.77	31.60	45.16	53.36	61.09	70.09	77.69	35.29	69.34	48.03	76.03	64.62	65.18	65.94	64.83
1972-73 SE OF P-VAL	1.33	2.43	2.77	2.27	2.98	1.60	1.86	1.35	3.90	5.92	2.45	2.73	2.27	2.00	6.19	4.94	5.42	2.97	6.40	4.12	4.26	2.22
1972-73 DELTA-P		-3.74	-10.27#	4.65*	6.69#	9.33#	-8.68#	5.50#	-33.67#	-20.11#	-11.91#	-4.18	4.82#	12.42#	-29.98#	4.07	-17.24#	10.76#	-0.65	-0.09	0.67	-0.44
1972-73 SE OF DP		2.19	2.57	1.95	2.42	1.20	1.18	0,83	3.77	5.81	2.30	2.46	1.69	1.84	6.27	4.35	5.29	3.02	6.24	3.89	4.02	1.75
RESPONSE: 03 AGE: 9 — TEXT: I Don't Know.																						
1972-73 P-VALUE	11.38	8.58	14.54	8.37	14.29	10.46	12.22	10.00	16.87	15.77	9.85	13.37	9.68	8.75	16.47	10.45	16.94	9.66	8.78	11.34	9.74	12.63
1972-73 SE OF P-VAL	1.04	2.19	2.16	1.55	2.30	1.14	1.43	1.03	2.97	3.65	2.09	2.93	1.79	1.54	1.91	2.73	2.74	2.04	2.58	2.92	3.06	2.08
1972-73 DELTA-P		-2.80	3.16	-3.01*	2.91	-0.92	0.84	-1.38#	5.49*	4.39	-1.53	1.99	-1.70	-2.63*	5.09#	-0.93	5.56*	-1.72	-2.60	-0.04	-1.64	1.25
1972-73 SE OF DP		1.84	1.84	1.50	1.97	0.81	0.75	0.51	2.56	3.54	2.96	2.84	1.57	1.09	1.47	2.95	2.37	2.62	2.37	2.74	2.90	1.68
AGE: 13																						
1972-73 P-VALUE	3.27	3.75	3.65	2.22	3.61	2.84	3.67	2.52	5.55	8.33	5.09	5.65	3.22	1.51	6.59	5.23	8.13	0.74	2.84	2.72	1.83	3.40
1972-73 SE OF P-VAL	0.40	1.10	0.67	0.57	0.80	0.55	0.55	0.44	0.95	2.40	1.58	2.05	0.63	0.40	1.31	1.88	1.57	0.46	1.16	1.16	0.78	0.60
1972-73 DELTA-P		0.48	0.38	-1.05	0.34	-0.43	0.40	-0.75#	2.28#	5.06*	1.82	2.38	-0.05	-1.76#	3.32#	1.96	4.86#	-2.53#	-0.43	-0.55	-1.44	0.13
1972-73 SE OF DP		0.88	0.64	0.56	0.69	0.39	0.36	0.20	0.90	2.36	1.50	1.95	0.53	0.35	1.17	1.76	1.48	0.59	1.10	1.09	0.79	0.52
AGE: 17																						
1972-73 P-VALUE	1.92	2.40	2.05	0.77	2.61	0.70	2.97	1.44	2.95	5.93	3.33	3.08	2.23	1.13	1.95	1.21	1.98	1.93	2.65	1.58	0.81	2.40
1972-73 SE OF P-VAL	0.35	0.84	0.77	0.40	0.71	0.27	0.64	0.37	1.02	2.15	1.28	1.20	0.66	0.34	1.28	0.89	0.68	1.02	1.52	0.62	0.37	0.73
1972-73 DELTA-P		0.48	0.13	-1.15#	0.69	-1.22#	1.05#	-0.48*	1.03	4.01	1.41	1.16	0.31	-0.79*	0.03	-0.71	0.06	0.01	0.73	-0.34	-1.11*	0.48
1972-73 SE OF DP		0.66	0.68	0.44	0.63	0.37	0.34	0.20	0.93	2.07	1.20	1.13	0.55	0.32	1.21	0.91	0.70	0.94	1.47	0.62	0.46	0.50

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203008-1234 U8228

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part B.

RESPONSE: 03 AGE: Ad TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.87	4.63	9.15	2.78	3.94	2.80	6.80	3.44	15.22	7.09	7.63	3.93	3.72	1.35	26.48	6.85	11.28	0.90	2.28	4.12	4.33	5.26
1972-73 SE OF P-VAL	0.67	1.18	1.72	1.35	1.19	0.62	1.03	0.60	2.80	3.38	1.60	1.17	0.81	0.52	7.83	2.20	2.65	0.60	1.67	1.27	1.66	1.28
1972-73 DELTA-P		-0.24	4.28#	-2.09	-0.93	-2.07#	1.93#	-1.43#	10.35#	2.22	2.76*	-0.94	-1.15	-3.52#	21.61#	1.98	6.41#	-3.97#	-2.59	-0.75	-0.54	0.39
1972-73 SE OF DP		1.08	1.51	1.07	1.03	0.56	0.54	0.42	2.55	3.39	1.17	1.06	0.79	0.79	7.61	2.10	2.47	[illegible]	[illegible]	1.22	1.60	0.90

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 203013-234

72-73 Report #: UB229

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: C. Understand and apply conceptual schemes.

Science Type: Biological science

Exercise Type: Short answer
Scoring Type: Professional
Administration Mode: Individual

Age:	13	17IS	Adult
72-73 Package-Exercise:	11-07	13-02	04-09
72-73 National P-val:			
UB229	76.21	67.13	74.48

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 203013-234 NB229

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.38	0.84	1.76	1.09	1.93	0.75	2.02	1.02	1.03	6.31	3.61	1.29	1.05	0.59	4.16	4.08	1.16	0.00	1.57	1.07	1.47	1.10
1972-73 SE OF P-VAL	0.42	0.44	0.81	0.45	1.43	0.27	0.68	0.34	0.50	4.62	2.83	0.68	0.40	0.40	1.72	2.06	0.67	0.00	0.89	0.66	0.56	0.57
1972-73 DELTA-P		-0.54	0.38	-0.29	0.55	-0.63*	0.64*	-0.36	-0.35	4.93	2.23	-0.09	-0.33	-0.79	2.78	2.70	-0.22	-1.38#	0.19	-0.31	0.09	-0.28
1972-73 SE OF DP		0.53	0.74	0.52	1.11	0.29	0.29	0.36	0.70	4.28	2.51	0.72	0.45	0.45	1.47	2.53	0.77	0.42	0.88	0.70	0.62	0.45
AGE: 17																						
1972-73 P-VALUE	0.66	0.66	1.69	0.33	0.15	0.72	0.60	0.71	0.30	0.65	0.92	0.53	0.54	0.70	0.98	0.00	0.00	0.46	1.03	0.55	1.71	0.63
1972-73 SE OF P-VAL	0.22	0.30	0.84	0.25	0.15	0.30	0.28	0.25	0.30	0.66	0.71	0.39	0.28	0.29	0.96	0.00	0.00	0.48	0.70	0.52	1.12	0.28
1972-73 DELTA-P		0.00	1.03	-0.33	-0.51*	0.06	-0.06	0.05	-0.36	-0.01	0.26	-0.13	-0.12	0.04	0.32	-0.66#	-0.66#	-0.20	0.37	-0.11	1.05	-0.03
1972-73 SE OF DP		0.34	0.68	0.27	0.24	0.17	0.16	0.06	0.34	0.65	0.60	0.40	0.26	0.17	0.84	0.22	0.22	0.47	0.66	0.40	0.99	0.26
AGE: Ad																						
1972-73 P-VALUE	0.07	0.00	0.00	0.00	0.27	0.04	0.10	0.06	0.00	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
1972-73 SE OF P-VAL	0.05	0.00	0.00	0.00	0.21	0.04	0.10	0.06	0.00	0.36	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
1972-73 DELTA-P		-0.07	-0.07	-0.07	0.20	-0.03	0.03	-0.01	-0.07	0.32	0.21	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	0.11
1972-73 SE OF DP		0.05	0.05	0.05	0.15	0.05	0.05	0.02	0.05	0.35	0.16	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.09
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	76.21	73.90	77.64	76.27	77.21	79.56	72.82	76.80	76.95	67.87	73.51	75.78	75.73	78.10	72.79	73.25	76.51	76.46	79.84	76.25	75.78	75.94
1972-73 SE OF P-VAL	1.31	2.62	3.32	2.08	2.67	1.52	1.75	1.50	2.73	[illegible]	4.22	3.38	1.90	1.91	3.05	3.87	2.96	3.32	3.28	3.00	2.84	2.15
1972-73 DELTA-P		-2.31	1.43	0.06	1.00	3.35#	-3.39#	0.59	0.74	-8.34	-2.70	-0.43	-0.48	1.89	-3.42	-2.96	0.30	0.25	3.63	0.04	-0.43	-0.27
1972-73 SE OF DP		2.26	2.81	1.85	2.33	0.98	0.99	0.56	2.77	4.34	3.81	3.01	1.39	1.35	3.16	3.41	3.25	3.07	3.48	3.32	2.57	1.50
AGE: 17																						
1972-73 P-VALUE	67.13	69.19	65.40	68.11	65.17	72.07	62.43	66.75	70.53	65.97	69.70	64.48	64.64	68.54	72.17	71.90	64.36	65.00	67.08	61.02	65.49	70.89
1972-73 SE OF P-VAL	1.15	2.19	2.91	2.26	1.71	1.48	1.08	1.33	2.71	3.90	5.01	4.35	1.86	1.54	5.51	3.72	3.34	3.66	3.18	3.92	3.50	1.77
1972-73 DELTA-P		2.06	-1.73	0.98	-1.96	4.94#	-4.70#	-0.38	3.40	-1.16	2.57	-2.65	-2.49	1.41	5.04	4.77	-2.77	-2.13	-0.05	-6.11	-1.64	3.76#
1972-73 SE OF DP		1.87	2.49	1.87	1.69	1.21	1.20	0.36	2.74	3.94	4.81	4.04	1.42	1.22	5.41	3.59	3.24	3.43	2.91	3.62	3.35	1.49
AGE: Ad																						
1972-73 P-VALUE	74.44	78.21	72.52	75.35	71.66	79.01	70.20	75.11	72.57	67.19	69.14	74.78	75.51	80.59	56.63	70.20	80.00	74.90	77.53	77.52	74.41	72.25
1972-73 SE OF P-VAL	1.22	3.00	2.31	2.19	2.21	1.63	1.58	1.48	3.60	4.83	2.79	3.08	1.86	2.35	7.79	4.07	2.78	4.35	3.11	3.28	3.11	2.25
1972-73 DELTA-P		3.77	-1.92	0.91	-2.78	4.57#	-4.24#	0.67	-1.87	-7.25	-5.30*	0.34	1.07	6.15#	-17.81*	-4.24	5.56*	0.46	3.09	3.08	-0.03	-2.19
1972-73 SE OF DP		2.50	2.11	1.89	1.95	1.09	0.95	0.54	3.53	4.58	2.37	2.63	1.85	1.91	7.78	4.05	2.74	4.02	3.13	3.16	2.96	1.70
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.45	7.79	12.08	8.48	5.75	7.35	9.56	8.81	5.00	10.95	14.33	4.38	9.45	6.65	11.10	13.04	7.34	5.66	6.19	8.70	8.16	9.03
1972-73 SE OF P-VAL	0.83	1.30	2.05	1.01	1.08	1.28	0.84	0.98	1.44	1.92	2.57	1.36	1.71	1.00	2.72	1.53	2.31	1.50	1.68	1.89	1.80	1.99
1972-73 DELTA-P		-0.66	3.63	0.03	-2.70*	-1.10	1.11	0.36	-3.45*	2.50	5.88#	-4.07#	1.00	-1.80*	2.65	4.59#	-1.11	-2.79	-2.26	0.25	-0.29	0.58
1972-73 SE OF DP		1.23	2.27	1.06	1.13	0.78	0.71	0.32	1.58	1.93	2.22	1.50	1.21	0.82	2.84	1.53	2.48	1.51	1.71	1.82	1.71	1.37
AGE: 17																						
1972-73 P-VALUE	12.33	10.83	15.18	10.94	13.19	8.38	16.09	12.07	11.26	18.28	12.70	16.93	13.22	10.38	16.04	10.73	15.81	10.18	8.93	16.73	12.14	11.45
1972-73 SE OF P-VAL	1.03	2.13	2.54	1.76	1.60	0.97	1.62	1.11	2.18	3.29	3.23	3.28	1.69	0.96	5.22	2.81	3.94	2.10	2.28	4.04	2.13	1.66
1972-73 DELTA-P		-1.50	2.85	-1.39	0.86	-3.95#	3.76#	-0.26	-1.07	5.95	0.37	4.60	0.89	-1.95*	3.71	-1.60	3.48	-2.15	-3.40	4.40	-0.19	-0.88
1972-73 SE OF DP		1.76	2.16	1.55	1.54	0.92	0.87	0.41	2.00	3.11	2.87	2.83	1.21	0.81	5.13	2.84	3.68	2.11	2.08	3.66	2.07	1.42
AGE: Ad																						
1972-73 P-VALUE	11.88	9.01	13.29	13.03	12.06	8.21	15.28	10.63	17.66	20.66	17.82	12.73	8.56	5.99	37.80	14.33	13.01	13.80	14.68	11.13	7.78	11.41
1972-73 SE OF P-VAL	0.87	1.25	1.76	1.63	2.17	1.13	1.16	1.02	3.04	3.92	2.86	1.99	1.38	1.41	7.86	2.79	2.93	3.18	2.80	2.52	1.75	1.59
1972-73 DELTA-P		-2.87*	1.41	1.15	0.18	-3.67#	3.40#	-1.25#	5.78	8.78*	5.94#	0.85	-3.32*	-5.89#	25.92#	2.45	1.13	1.92	2.80	-0.75	-4.10*	-0.47
1972-73 SE OF DP		1.26	1.59	1.48	1.73	0.80	0.71	0.47	3.03	3.83	2.31	1.92	1.47	1.44	7.80	2.72	2.90	2.93	2.65	2.54	1.69	1.17

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 203015-23

72-73 Report #: UB230

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: C. Understand and apply conceptual schemes.

Science Type: Biological science

Exercise Type: Apparatus needed
Scoring Type: Semi-professional
Administration Mode: Individual

Age:	13	17IS
72-73 Package-Exercise:	12-03	14-06
72-73 National P-val:		
UB230-1	96.59	97.97
UB230-2	75.89	83.42
UB230-3	94.33	97.16
UB230-4	80.27	86.54
UB230-5	73.89	81.94

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 203015-23 UB230

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 1.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.15	0.00	0.21	0.00	0.43	0.00	0.29	0.13	0.38	0.00	0.00	0.50	0.14	0.00	0.51	0.24	1.10	0.00	0.00	0.35	0.00	0.00
1972-73 SE OF P-VAL	0.08	0.00	0.15	0.00	0.31	0.00	0.16	0.09	0.27	0.00	0.00	0.50	0.10	0.00	0.51	0.24	0.85	0.00	0.00	0.35	0.00	0.00
1972-73 DELTA-P		-0.15	0.06	-0.15	0.28	-0.15	0.14	-0.02	0.23	-0.15	-0.15	0.35	-0.01	-0.15	0.36	0.09	0.95	-0.15	-0.15	0.20	-0.15	-0.15
1972-73 SE OF DP		0.08	0.14	0.08	0.24	0.08	0.08	0.04	0.25	0.08	0.08	0.45	0.10	0.08	0.46	0.23	0.79	0.08	0.08	0.31	0.08	0.08
AGE: 17																						
1972-73 P-VALUE	0.04	0.08	0.09	0.00	0.00	0.04	0.04	0.03	0.15	0.00	0.00	0.00	0.06	0.04	0.00	0.00	0.2	0.00	0.00	0.00	0.00	0.06
1972-73 SE OF P-VAL	0.03	0.07	0.09	0.00	0.00	0.04	0.03	0.02	0.15	0.00	0.00	0.00	0.06	0.04	0.00	0.00	0.2[illegible]	0.00	0.00	0.00	0.00	0.06
1972-73 DELTA-P		0.04	0.05	-0.04	-0.04	0.00	0.00	-0.01	0.11	-0.04	-0.04	-0.04	0.02	0.00	-0.04	-0.04	0.18	-0.04	-0.04	-0.04	-0.04	0.02
1972-73 SE OF DP		0.06	0.07	0.03	0.03	0.03	0.03	0.02	0.13	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.19	0.03	0.03	0.03	0.03	0.04

RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	96.59	97.82	95.53	96.58	96.33	97.73	95.49	97.32	91.90	96.31	91.78	95.06	95.92	98.35	96.88	96.46	93.67	99.07	96.66	97.97	97.10	95.52
1972-73 SE OF P-VAL	0.41	0.61	0.62	0.98	0.88	0.85	0.74	0.40	1.29	2.18	2.31	1.67	0.67	0.48	1.06	1.54	2.16	0.78	1.39	0.89	0.92	0.90
1972-73 DELTA-P		1.23*	-1.06	-0.01	-0.26	1.14*	-1.10*	0.73#	-4.69#	-0.28	-4.81*	-1.53	-0.67	1.76#	0.29	-0.13	-2.92	2.48#	0.07	1.38	0.51	-1.07
1972-73 SE OF DP		0.60	0.61	0.76	0.75	0.47	0.46	0.25	1.30	2.08	2.24	1.51	0.49	0.49	1.02	1.48	2.16	0.81	1.32	0.86	0.90	0.71
AGE: 17																						
1972-73 P-VALUE	97.97	98.93	97.46	97.64	97.73	98.42	97.54	98.64	95.63	92.11	96.32	94.41	97.92	99.09	98.05	96.23	94.47	100.00	96.20	99.19	98.70	98.13
1972-73 SE OF P-VAL	0.32	0.33	0.48	0.94	0.60	0.31	0.61	0.34	0.82	2.71	1.39	1.39	0.57	0.52	1.46	1.56	1.67	0.00	2.71	0.60	0.73	0.50
1972-73 DELTA-P		0.96*	-0.51	-0.33	-0.24	0.45	-0.43	0.67#	-2.34#	-5.86*	-1.65	-3.56#	-0.05	1.12#	0.08	-1.74	-3.50*	2.03#	-1.77	1.22	0.73	0.16
1972-73 SE OF DP		0.40	0.49	0.70	0.53	0.37	0.35	0.17	0.87	2.61	1.35	1.34	0.50	0.36	1.42	1.50	1.61	0.32	2.48	0.63	0.69	0.51

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.02	0.00	0.10	0.00	0.00	0.00	0.04	0.00	0.19	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.02	0.00	0.10	0.00	0.00	0.00	0.05	0.00	0.19	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.02	0.08	-0.02	-0.02	-0.02	0.02	-0.02	0.17	-0.02	-0.02	-0.02	0.05	-0.02	-0.02	-0.02	0.31	-0.02	-0.02	-0.02	-0.02	-0.02
1972-73 SE OF DP		0.02	0.08	0.02	0.02	0.02	0.02	0.02	0.16	0.02	0.02	0.02	0.05	0.02	0.02	0.02	0.31	0.02	0.02	0.02	0.02	0.02
AGE: 17																						
1972-73 P-VALUE	0.03	0.11	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.60	0.00	0.37	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.03	0.11	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.60	0.00	0.37	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.08	-0.03	-0.03	-0.03	0.03	-0.03	-0.03	-0.03	0.56	-0.03	-0.03	-0.03	-0.03	0.57	-0.03	0.34	-0.03	-0.03	-0.03	-0.03	-0.03
1972-73 SE OF DP		0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.56	0.03	0.03	0.03	0.03	0.57	0.03	0.34	0.03	0.03	0.03	0.03	0.03

EXERCISE: 203015-23 UB230

Part 2.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.15	0.00	0.21	0.00	0.43	0.00	0.29	0.13	0.38	0.00	0.00	0.50	0.14	0.00	0.51	0.24	1.10	0.00	0.00	0.35	0.00	0.00
1972-73 SE OF P-VAL	0.08	0.00	0.15	0.00	0.31	0.00	0.16	0.09	0.27	0.00	0.00	0.50	0.10	0.00	0.51	0.24	0.85	0.00	0.00	0.35	0.00	0.00
1972-73 DELTA-P		-0.15	0.06	-0.15	0.28	-0.15	0.14	-0.02	0.23	-0.15	-0.15	0.35	-0.01	-0.15	0.36	0.09	0.95	-0.15	-0.15	0.20	-0.15	-0.15
1972-73 SE OF DP		0.08	0.14	0.08	0.24	0.08	0.08	0.04	0.25	0.08	0.08	0.45	0.10	0.08	0.46	0.23	0.79	0.08	0.08	0.31	0.08	0.08
AGE: 17																						
1972-73 P-VALUE	0.05	0.07	0.09	0.04	0.00	0.07	0.04	0.04	0.15	0.00	0.00	0.00	0.10	0.04	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.06
1972-73 SE OF P-VAL	0.03	0.07	0.09	0.04	0.00	0.05	0.03	0.03	0.15	0.00	0.00	0.00	0.07	0.04	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.06
1972-73 DELTA-P		0.02	0.04	-0.01	-0.05	0.02	-0.01	-0.01	0.10	-0.05	-0.05	-0.05	0.05	-0.01	-0.05	-0.05	0.31	-0.05	-0.05	-0.05	-0.05	0.01
1972-73 SE OF DP		0.06	0.07	0.04	0.03	0.03	0.03	0.02	0.13	0.03	0.03	0.03	0.05	0.03	0.03	0.03	0.23	0.03	0.03	0.03	0.03	0.04

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	75.89	80.15	72.53	73.28	77.73	76.55	75.25	78.61	58.37	74.88	72.86	70.39	72.89	81.68	70.81	72.76	68.80	81.67	76.14	81.41	74.86	74.16
1972-73 SE OF P-VAL	1.25	2.11	1.91	3.41	1.87	1.57	1.41	1.40	2.92	3.90	3.15	3.63	1.93	1.33	3.72	7.92	3.92	3.00	2.23	2.45	3.44	2.38
1972-73 DELTA-P		4.26*	-3.36	-2.61	1.84	0.66	-0.64	2.72#	-17.52#	-1.01	-3.03	-5.50	-3.00*	5.79#	-5.08	-3.13	-7.09	5.78*	0.25	5.52*	-1.03	-1.73
1972-73 SE OF DP		2.01	1.88	2.56	1.84	0.83	0.80	0.58	2.81	3.78	3.24	3.22	1.43	1.17	3.12	7.48	3.73	2.86	2.44	2.48	3.13	2.08

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203015-23 UB230

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	83.42	81.77	79.25	85.71	85.92	85.58	81.37	85.77	68.30	78.29	70.70	79.24	83.39	86.03	86.41	81.35	77.58	79.91	84.22	86.00	87.46	83.58
1972-73 SE OF P-VAL	1.00	2.43	2.93	1.89	1.33	1.56	1.57	1.13	3.52	4.11	4.48	2.23	1.59	1.48	4.62	2.53	3.51	3.99	3.34	2.36	2.09	2.00
1972-73 DELTA-P		-1.65	-4.17	2.29	2.50	2.16	-2.05	2.35#	-15.12#	-5.13	-12.72#	-4.18	-0.03	2.61#	2.99	-2.07	-5.84	-3.51	0.80	2.58	4.04	0.16
1972-73 SE OF DP		1.96	2.54	1.66	1.41	1.17	1.10	0.52	3.13	4.14	4.25	2.10	1.21	1.04	4.45	2.70	3.32	3.66	3.02	2.14	2.08	1.58
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.38	0.11	0.37	0.35	0.54	0.39	0.29	0.15	0.99	1.55	0.46	1.19	0.54	0.00	0.00	0.00	2.22	0.00	0.00	0.00	1.17	0.08
1972-73 SE OF P-VAL	0.14	0.11	0.28	0.26	0.43	0.20	0.21	0.09	9.62	1.46	0.46	0.97	0.29	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.71	0.08
1972-73 DELTA-P		-0.23	0.03	0.01	0.20	0.05	-0.05	-0.19	0.65	1.21	0.12	0.85	0.20	-0.34*	-0.34*	-0.34*	1.88	-0.34*	-0.34*	-0.34*	0.83	-0.26
1972-73 SE OF DP		0.16	0.25	0.22	0.34	0.15	0.14	0.13	0.56	1.37	0.45	0.88	0.22	0.14	0.14	0.14	1.38	0.14	0.14	0.14	0.63	0.15
AGE: 17																						
1972-73 P-VALUE	0.07	0.26	0.00	0.00	0.00	0.14	0.00	0.05	0.00	0.59	0.00	0.00	0.13	0.00	0.60	0.00	0.37	0.00	0.00	0.00	0.00	0.12
1972-73 SE OF P-VAL	0.05	0.19	0.00	0.00	0.00	0.10	0.00	0.05	0.00	0.59	0.00	0.00	0.13	0.00	0.60	0.00	0.37	0.00	0.00	0.00	0.00	0.12
1972-73 DELTA-P		0.19	-0.07	-0.07	-0.07	0.07	-0.07	-0.02	-0.07	0.52	-0.07	-0.07	0.06	-0.07	0.53	-0.07	0.30	-0.07	-0.07	-0.07	-0.07	0.05
1972-73 SE OF DP		0.14	0.05	0.05	0.05	0.05	0.05	0.03	0.05	0.56	0.05	0.05	0.09	0.05	0.57	0.05	0.34	0.05	0.05	0.05	0.05	0.08

EXERCISE: 203015-23 UB230

Part 3.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 0F AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.15	0.00	0.21	0.00	0.43	0.00	0.29	0.13	0.38	0.00	0.00	0.50	0.14	0.00	0.51	0.24	1.10	0.00	0.00	0.35	0.00	0.00
1972-73 SE OF P-VAL	0.08	0.00	0.15	0.00	0.31	0.00	0.16	0.09	0.27	0.00	0.00	0.50	0.10	0.00	0.51	0.24	0.85	0.00	0.00	0.35	0.00	0.00
1972-73 DELTA-P		-0.15	0.06	-0.15	0.28	-0.15	0.14	-0.02	0.23	-0.15	-0.15	0.35	-0.01	-0.15	0.36	0.09	0.95	-0.15	-0.15	0.20	-0.15	-0.15
1972-73 SE OF DP		0.08	0.14	0.08	0.24	0.08	0.08	0.04	0.25	0.08	0.08	0.45	0.10	0.08	0.46	0.23	0.79	0.08	0.08	0.31	0.08	0.08
AGE: 17																						
1972-73 P-VALUE	0.10	0.07	0.08	0.24	0.00	0.18	0.03	0.03	0.65	0.00	0.00	0.00	0.27	0.03	0.10	0.00	0.35	0.00	0.69	0.00	0.00	0.05
1972-73 SE OF P-VAL	0.06	0.07	0.09	0.21	0.00	0.13	0.03	0.03	0.52	0.00	0.00	0.00	0.19	0.04	0.00	0.00	0.24	0.00	0.69	0.00	0.00	0.05
1972-73 DELTA-P		-0.03	-0.02	0.14	-0.10	0.08	-0.07	-0.07	0.55	-0.10	-0.10	-0.10	0.17	-0.07	-0.10	-0.10	0.25	-0.10	0.59	-0.10	-0.10	-0.05
1972-73 SE OF DP		0.08	0.09	0.15	0.06	0.07	0.06	0.06	0.46	0.06	0.06	0.06	0.13	0.06	0.06	0.06	0.23	0.06	0.63	0.06	0.06	0.07
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	94.33	96.05	91.94	94.33	94.80	95.49	93.22	95.72	84.64	95.23	92.96	90.95	94.15	96.23	91.94	94.84	90.39	98.04	93.92	96.19	92.17	93.87
1972-73 SE OF P-VAL	0.62	0.91	1.31	1.37	1.18	0.65	0.94	0.56	2.39	2.97	3.40	2.71	0.84	0.77	1.58	2.16	2.70	0.90	1.54	1.37	2.23	1.10
1972-73 DELTA-P		1.72	-2.39*	0.00	0.47	1.16*	-1.11*	1.39#	-9.69#	0.90	-1.37	-3.38	-0.18	1.90#	-2.39	0.51	-3.94	3.71#	-0.41	1.86	-2.16	-0.46
1972-73 SE OF DP		0.89	1.15	1.09	1.05	0.55	0.52	0.40	2.10	2.82	3.17	2.55	0.71	0.65	1.49	2.07	2.62	0.90	1.47	1.25	1.98	0.93
AGE: 17																						
1972-73 P-VALUE	97.16	96.88	96.67	97.38	97.61	98.27	96.11	97.72	93.41	96.30	95.58	96.30	96.39	97.94	99.07	96.36	94.31	98.52	95.27	98.40	96.07	97.86
1972-73 SE OF P-VAL	0.48	0.87	0.99	1.05	0.83	0.39	0.76	0.52	1.16	1.81	1.34	1.13	0.92	0.72	0.69	1.85	1.38	1.09	2.51	0.88	1.18	0.52
1972-73 DELTA-P		-0.28	-0.49	0.22	0.45	1.17#	-1.05#	0.56#	-3.75#	-0.86	-1.58	-0.86	-0.77	0.78	1.91*	-0.80	-2.85*	1.36	-1.85	1.24	-1.09	0.70
1972-73 SE OF DP		0.76	0.91	0.85	0.77	0.38	0.37	0.18	1.13	1.79	1.34	1.12	0.71	0.50	0.82	1.71	1.30	0.97	2.31	0.76	1.12	0.55
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.11	0.11	0.37	0.00	0.00	0.18	0.04	0.11	0.19	0.00	0.00	0.26	0.25	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.45	0.08
1972-73 SE OF P-VAL	0.07	0.12	0.28	0.00	0.00	0.14	0.05	0.08	0.19	0.00	0.00	0.27	0.19	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.45	0.09
1972-73 DELTA-P		0.00	0.26	-0.11	-0.11	0.07	-0.07	0.00	0.08	-0.11	-0.11	0.15	0.14	-0.11	-0.11	-0.11	0.22	-0.11	-0.11	-0.11	0.34	-0.03
1972-73 SE OF DP		0.11	0.22	0.07	0.07	0.07	0.07	0.03	0.18	0.07	0.07	0.25	0.13	0.07	0.07	0.07	0.32	0.07	0.07	0.07	0.40	0.09
AGE: 17																						
1972-73 P-VALUE	0.03	0.11	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.60	0.00	0.37	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.03	0.11	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.60	0.00	0.37	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		0.08	-0.03	-0.03	-0.03	0.03	-0.03	-0.03	-0.03	0.56	-0.03	-0.03	-0.03	-0.03	0.57	-0.03	0.34	-0.03	-0.03	-0.03	-0.03	-0.03
1972-73 SE OF DP		0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.56	0.03	0.03	0.03	0.03	0.57	0.03	0.34	0.03	0.03	0.03	0.03	0.03

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203015-23 UB230

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 4.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.15	0.00	0.30	0.00	0.34	0.16	0.16	0.12	0.44	0.00	0.00	0.00	0.21	0.08	0.51	0.24	0.00	0.00	0.28	0.35	0.00	0.14
1972-73 SE OF P-VAL	0.08	0.00	0.23	0.00	0.25	0.11	0.11	0.08	0.31	0.00	0.00	0.00	0.15	0.08	0.51	0.24	0.00	0.00	0.29	0.35	0.00	0.14
1972-73 DELTA-P		-0.15	0.15	-0.15	0.19	0.01	-0.01	-0.03	0.29	-0.15	-0.15	-0.15	0.06	-0.07	0.36	0.09	-0.15	-0.15	0.13	0.20	-0.15	-0.01
1972-73 SE OF DP		0.08	[illegible]	0.08	0.20	0.08	0.08	0.04	0.29	0.08	0.08	0.08	0.12	0.09	0.46	0.22	0.08	0.08	0.27	0.31	0.08	0.11
AGE: 17																						
1972-73 P-VALUE	0.12	0.40	0.00	0.04	0.00	0.25	0.00	0.14	0.00	0.00	0.00	0.00	0.10	0.19	0.00	0.00	0.14	0.00	0.06	0.58	0.00	0.06
1972-73 SE OF P-VAL	0.09	0.33	0.00	0.04	0.00	0.19	0.00	0.11	0.00	0.00	0.00	0.00	0.07	0.19	0.00	0.06	0.14	0.00	0.06	0.56	0.00	0.06
1972-73 DELTA-P		0.28	-0.12	-0.08	-0.12	0.13	-0.12	0.02	-0.12	-0.12	-0.12	-0.12	-0.02	0.07	-0.12	-0.12	0.02	-0.12	-0.12	0.46	-0.12	-0.06
1972-73 SE OF DP		0.24	0.09	0.09	0.09	0.10	0.09	0.02	0.09	0.09	0.09	0.09	0.10	0.11	0.09	0.09	0.16	0.09	0.09	0.47	0.09	0.09
RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	80.27	82.90	77.32	78.87	81.99	80.86	79.70	82.27	69.35	75.83	79.09	80.18	78.48	82.61	77.85	81.28	76.11	82.80	75.48	82.27	83.25	79.47
1972-73 SE OF P-VAL	1.14	2.51	1.82	2.78	1.45	1.52	1.34	1.22	2.52	3.06	2.60	3.22	1.95	1.71	3.83	4.25	3.00	3.24	3.10	2.88	2.39	2.40
1972-73 DELTA-P		2.63	-2.95	-1.40	1.72	0.59	-0.57	2.00#	-10.92#	-4.44	-1.18	-0.09	-1.79	2.34	-2.42	1.01	-4.16	2.53	-4.79	2.00	2.98	-0.80
1972-73 SE OF DP		2.10	1.78	2.16	1.55	0.88	0.84	0.43	2.37	2.91	2.67	2.71	1.76	1.31	3.42	4.65	2.98	3.00	2.98	2.63	2.46	1.92
AGE: 17																						
1972-73 P-VALUE	86.54	85.12	82.59	89.21	88.22	88.54	84.65	88.26	75.02	83.83	79.21	87.15	85.92	88.08	85.21	89.88	79.73	86.27	85.89	86.70	87.64	87.07
1972-73 SE OF P-VAL	1.03	1.75	3.01	1.65	2.04	1.31	1.57	1.06	3.83	4.49	4.25	2.31	1.61	1.44	4.57	2.18	3.78	4.06	4.73	2.50	1.78	1.60
1972-73 DELTA-P		-1.42	-3.95	2.67	1.68	2.00	-1.89	1.72#	-11.52#	-2.71	-7.33	0.61	-0.62	1.54	-1.33	3.34	-6.81	-0.27	-0.65	0.16	1.10	0.53
1972-73 SE OF DP		1.57	2.57	1.56	1.76	1.07	0.99	0.54	3.50	4.48	4.04	2.01	1.28	1.06	4.50	2.10	3.66	3.70	2.59	2.23	1.05	1.19
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.13	0.11	0.30	0.12	0.00	0.16	0.10	0.04	0.82	0.00	0.46	0.25	0.07	0.12	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.22
1972-73 SE OF P-VAL	0.07	0.11	0.23	0.11	0.00	0.12	0.07	0.03	0.46	0.00	0.46	0.25	0.07	0.11	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.16
1972-73 DELTA-P		-0.02	0.17	-0.01	-0.13	0.03	-0.03	-0.09	0.69	-0.13	0.33	0.12	-0.06	-0.01	-0.13	-0.13	0.67	-0.13	-0.13	-0.13	-0.13	0.09
1972-73 SE OF DP		0.10	0.19	0.10	0.07	0.07	0.07	0.06	0.40	0.07	0.43	0.23	0.08	0.08	0.07	0.07	0.52	0.07	0.07	0.07	0.07	0.12
AGE: 17																						
1972-73 P-VALUE	0.18	0.11	0.61	0.00	0.11	0.24	0.12	0.00	1.30	0.59	1.29	0.55	0.00	0.00	0.61	0.00	0.70	0.00	0.76	0.00	0.00	0.17
1972-73 SE OF P-VAL	0.09	0.11	0.39	0.00	0.11	0.15	0.08	0.00	0.69	0.59	0.99	0.39	0.00	0.00	0.60	0.00	0.50	0.00	0.71	0.00	0.00	0.12
1972-73 DELTA-P		-0.07	0.43	-0.18*	-0.07	0.06	-0.06	-0.18*	1.12	0.41	1.11	0.37	-0.18*	-0.18*	0.43	-0.18*	0.52	-0.18*	0.58	-0.18*	-0.18*	-0.01
1972-73 SE OF DP		0.11	0.32	0.09	0.11	0.09	0.08	0.09	0.61	0.56	0.93	0.35	0.09	0.09	0.58	0.09	0.47	0.09	0.65	0.09	0.09	0.11

EXERCISE: 203015-23 UB230

Part 5.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.10	0.00	0.21	0.00	0.22	0.00	0.20	0.06	0.38	0.00	0.00	0.50	0.14	0.00	0.00	0.24	1.10	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.06	0.00	0.15	0.00	0.22	0.00	0.12	0.06	0.27	0.00	0.00	0.50	0.10	0.00	0.00	0.24	0.85	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.10	0.11	-0.10	0.12	-0.10	0.10	-0.04	0.28	-0.10	-0.10	0.40	0.04	-0.10	-0.10	0.14	1.00	-0.10	-0.10	-0.10	-0.10	-0.10
1972-73 SE OF DP		0.06	0.13	0.06	0.17	0.06	0.06	0.04	0.25	0.06	0.06	0.45	0.09	0.06	0.06	0.22	0.79	0.06	0.06	0.06	0.06	0.06
AGE: 17																						
1972-73 P-VALUE	0.09	0.07	0.08	0.20	0.00	0.15	0.03	0.02	0.65	0.00	0.00	0.00	0.24	0.03	0.00	0.00	0.21	0.00	0.69	0.00	0.00	0.05
1972-73 SE OF P-VAL	0.06	0.07	0.09	0.20	0.00	0.12	0.03	0.02	0.52	0.00	0.00	0.00	0.19	0.04	0.00	0.00	0.20	0.00	0.69	0.00	0.00	0.06
1972-73 DELTA-P		-0.02	-0.01	0.11	-0.09	0.06	-0.06	-0.07	0.56	-0.09	-0.09	-0.09	0.15	-0.06	-0.09	-0.09	0.12	-0.09	0.60	-0.09	-0.09	-0.04
1972-73 SE OF DP		0.08	0.09	0.15	0.06	0.07	0.06	0.06	0.46	0.06	0.06	0.06	0.13	0.06	0.06	0.06	0.20	0.06	0.63	0.06	0.06	0.07
RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	73.89	77.75	72.58	72.31	73.01	76.54	71.34	76.63	58.64	68.29	67.42	74.50	70.43	78.44	71.28	77.42	64.13	77.07	69.06	74.83	75.28	74.41
1972-73 SE OF P-VAL	1.23	2.02	1.98	3.27	1.80	1.41	1.50	1.41	2.99	3.42	5.33	2.03	1.81	1.73	3.79	6.53	4.65	3.49	2.92	2.80	3.16	1.45
1972-73 DELTA-P		3.86*	-1.31	-1.58	-0.88	2.65#	-2.55#	2.74#	-15.25#	-5.60	-6.47	0.61	-3.46*	4.55#	-2.61	3.53	-9.76*	3.18	-4.83	0.94	1.39	0.52
1972-73 SE OF DP		1.89	1.91	2.48	1.79	0.78	0.77	0.55	3.00	3.34	5.19	2.67	1.43	1.31	3.37	5.96	3.95	3.12	2.31	2.71	2.79	1.47

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203015-23 08230

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 5.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 05* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	81.94	81.39	78.71	83.76	83.07	86.27	77.84	84.15	68.26	75.99	75.25	77.36	82.46	82.82	89.89	86.54	74.80	76.43	80.61	81.77	83.73	84.00
1972-73 SE OF P-VAL	1.06	2.28	2.64	1.72	2.01	1.26	1.56	1.15	3.72	3.01	4.31	2.48	1.59	1.64	2.77	3.41	4.13	3.86	2.79	2.86	2.00	1.63
1972-73 DELTA-P		-0.55	-3.23	1.82	1.13	4.33@	-4.10@	2.21@	-13.68@	-5.95	-6.69	-4.58	0.52	0.88	7.95@	4.60	-7.14	-5.51	-1.33	-0.17	1.79	2.06
1972-73 SE OF DP		1.86	2.32	1.55	1.75	1.02	0.94	0.56	3.50	3.03	4.05	2.32	1.38	1.08	2.93	3.34	4.02	3.56	2.65	2.46	1.94	1.33
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.28	0.50	0.25	0.00	0.41	0.25	0.31	0.19	0.19	1.54	0.00	1.20	0.36	0.00	0.34	0.00	1.75	0.00	0.87	0.00	0.00	0.19
1972-73 SE OF P-VAL	0.15	0.42	0.16	0.00	0.41	0.21	0.21	0.13	0.19	1.46	0.00	0.98	0.30	0.00	0.33	0.00	1.43	0.00	0.87	0.00	0.00	0.14
1972-73 DELTA-P		0.22	-0.03	-0.28	0.13	-0.03	0.03	-0.09	-0.09	1.26	-0.28	0.92	0.08	-0.28	0.06	-0.28	1.47	-0.28	0.59	-0.28	-0.28	-0.09
1972-73 SE OF DP		0.34	0.20	0.15	0.33	0.15	0.18	0.10	0.22	1.37	0.15	0.88	0.23	0.15	0.34	0.15	1.33	0.15	0.78	0.15	0.15	0.17
AGE: 17																						
1972-73 P-VALUE	0.06	0.11	0.16	0.00	0.00	0.06	0.06	0.00	0.29	0.59	0.00	0.30	0.00	0.00	0.60	0.00	0.36	0.00	0.00	0.00	0.00	0.09
1972-73 SE OF P-VAL	0.04	0.11	0.17	0.00	0.00	0.06	0.06	0.00	0.29	0.59	0.00	0.31	0.00	0.00	0.60	0.00	0.37	0.00	0.00	0.00	0.00	0.09
1972-73 DELTA-P		0.05	0.10	-0.06	-0.06	0.00	0.00	-0.06	0.23	0.53	-0.06	0.24	-0.06	-0.06	0.54	-0.06	0.30	-0.06	-0.06	-0.06	-0.06	0.03
1972-73 SE OF DP		0.09	0.14	0.04	0.04	0.05	0.04	0.04	0.26	0.56	0.04	0.28	0.04	0.04	0.57	0.04	0.34	0.04	0.04	0.04	0.04	0.07

* The absolute value of this number is greater than 2.0 times its standard error.
@ The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 203018-3

72-73 Report #: UU231

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: C. Understand and apply conceptual schemes.

Science Type: Unclassified

Exercise Type: Short answer using drawings
Scoring Type: Professional
Administration Mode: Group

17IS
05-13
Age:
72-73 Package-Exercise:

72-73 National P-val: 45.62
UU231

Timing: (in seconds) 43
Stimulus: 135
Response: 178
UU231 Exercise total:

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

EXERCISE: 203018-3 00231

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIC.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.91	3.82	1.46	2.70	3.40	3.04	2.80	1.93	6.82	8.26	1.43	3.40	2.80	2.32	8.19	1.95	6.96	3.35	2.26	1.57	1.77	2.95
1972-73 SE OF P-VAL	0.53	1.29	0.51	1.07	1.03	0.71	0.62	0.46	1.81	2.62	0.94	1.41	0.85	0.65	2.25	1.13	2.67	1.81	1.50	1.17	1.00	0.91
1972-73 DELTA-P		0.91	-1.45*	-0.21	0.49	0.13	-0.11	-0.98#	3.91*	5.35*	-1.48	0.49	-0.11	-0.59	5.28#	-0.96	4.05	0.44	-0.65	-1.34	-1.14	0.04
1972-73 SE OF DP		1.05	0.66	0.87	0.91	0.42	0.36	0.32	1.60	2.49	1.02	1.23	0.60	0.52	2.06	1.15	2.52	1.70	1.45	1.06	1.00	0.71

RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	45.62	45.93	42.27	46.62	46.90	47.84	43.74	50.42	20.98	31.37	38.57	35.23	46.25	50.71	29.63	54.25	31.32	48.96	37.62	45.84	47.83	46.55
1972-73 SE OF P-VAL	1.51	2.43	2.04	3.81	2.82	2.17	1.88	1.46	3.33	4.29	5.51	3.34	2.39	1.77	4.16	6.31	5.70	2.74	3.91	4.28	2.45	1.86
1972-73 DELTA-P		0.31	-3.35	1.00	1.28	2.22	-1.88	4.80#	-24.64#	-14.25#	-7.05	-10.39#	0.63	5.09#	-15.99#	8.63	-14.30#	3.28	-8.00*	0.22	2.21	0.93
1972-73 SE OF DP		2.25	2.19	2.87	2.54	1.46	1.24	0.89	3.86	4.31	5.27	3.27	1.71	1.31	5.84	5.82	5.15	2.54	3.38	3.85	2.50	1.81

RESPONSE: 03 AGE: 17 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.79	2.51	1.98	1.30	1.43	1.51	2.03	1.30	3.44	5.13	4.75	1.10	1.40	1.19	5.55	1.14	2.30	1.26	1.04	1.59	0.95	2.55
1972-73 SE OF P-VAL	0.37	0.82	0.64	0.59	0.88	0.43	0.49	0.33	1.13	2.69	1.69	0.69	0.54	0.34	1.85	0.73	1.07	0.64	0.74	0.83	0.56	0.82
1972-73 DELTA-P		0.72	0.19	-0.49	-0.36	-0.28	0.24	-0.49	1.65	3.34	2.96	-0.69	-0.39	-0.60	3.76*	-0.65	0.51	-0.53	-0.75	-0.20	-0.84	0.76
1972-73 SE OF DP		0.69	0.61	0.53	0.74	0.31	0.27	0.25	1.05	2.52	1.58	0.73	0.40	0.35	1.62	0.76	1.07	0.65	0.78	0.82	0.54	0.56

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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NAEP #:           203020-123

72-73 Report #: UP232

72-73 Obj:      II. UNDERSTAND  AND APPLY THE FUNDAMENTAL ASPECTS
                    OF  SCIENCE  IN  A  WIDE  RANGE  OF   PROBLEM
                    SITUATIONS.
72-73 Subobj:    C. Understand and apply conceptual schemes.

Science Type:       Physical science


Exercise Type:          Multiple part multiple choice using drawings
Scoring Type:           Machine
Administration Mode:    Group

Age:                                 __9__    _13__    _17IS
72-73 Package-Exercise:              03-20    04-11    01-13

72-73 National P-val:
          UP232A                     63.60    83.64    89.38
          UP232B                     62.21    60.48    77.43
          UP232C                     86.57    93.44    96.49
          UP232D                     77.67    85.90    91.10
          UP232E                     59.37    74.90    86.01
          UP232F                     78.12    76.25    78.59

Timing: (in seconds)
  UP232           Introduction:  10        11        10
                      Stimulus:   7         7         6
                      Response:   8         6         6
                 I don't know:    5         5         5
                        Pause:    4         4         4
  UP232A          Part total:    24        22        21
                     Stimulus:    6         7         6
                     Response:    8         6         7
                 I don't know:    1         1         1
                        Pause:    4         4         3
                    Turn page:   (5)       (6)       (6)
  UP232B          Part total:    19**      18**      17**
                     Stimulus:    6         6         6
                     Response:    8         6         6
                 I don't know:    1         1         1
                        Pause:    4         5         4
  UP232C          Part total:    19        18        17
                     Stimulus:    6         7         6
                     Response:    8         6         7
                 I don't know:    1         1         1
                        Pause:    5         4         3
                    Turn page:   (6)       (7)       (6)
  UP232D          Part total:    20**      18**      17**
                     Stimulus:    6         6         6
                     Response:    8         6         7
                 I don't know:    1         1         1
                        Pause:    4         4         4
  UP232E          Part total:    19        17        18
                     Stimulus.    7         7         7
                     Response:    8         6         7
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                 I don't know:    1         1         1
                        Pause:    6         6         4
  UP232F          Part total:    22        20        19
  UP232       Exercise total:   133       124       119

**Time to turn page is not included in total times.
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EXERCISE: 203020-123 UP232

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIC.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
TEXT: No Response.																						
RESPONSE: 00 AGE: 9																						
1972-73 P-VALUE	0.15	0.13	0.04	0.13	0.27	0.27	0.02	0.08	0.62	0.00	0.00	0.00	0.25	0.03	0.23	0.00	1.42	0.00	0.00	0.23	0.09	0.00
1972-73 SE OF P-VAL	0.08	0.13	0.05	0.14	0.21	0.14	0.02	0.05	0.43	0.00	0.00	0.00	0.25	0.03	0.14	0.00	0.82	0.00	0.00	0.23	0.10	0.00
1972-73 DELTA-P		-0.02	-0.11	-0.02	0.12	0.12	-0.13	-0.07	0.47	-0.15	-0.15	-0.15	0.10	-0.12	0.08	-0.15	1.27	-0.15	-0.15	0.08	-0.06	-0.15
1972-73 SE OF DP		0.12	0.08	0.12	0.17	0.07	0.08	0.06	0.37	0.08	0.08	0.08	0.20	0.08	0.10	0.08	0.75	0.08	0.08	0.21	0.11	0.08
AGE: 13																						
1972-73 P-VALUE	0.10	0.00	0.34	0.00	0.12	0.07	0.13	0.04	0.54	0.00	0.00	0.00	0.00	0.00	0.65	0.28	0.35	0.00	0.00	0.00	0.00	0.12
1972-73 SE OF P-VAL	0.06	0.00	0.25	0.00	0.12	0.07	0.10	0.05	0.39	0.00	0.00	0.00	0.00	0.00	0.37	0.28	0.38	0.00	0.00	0.00	0.00	0.12
1972-73 DELTA-P		-0.10	0.24	-0.10	0.02	-0.03	0.03	-0.06	0.44	-0.10	-0.10	-0.10	-0.10	-0.10	0.55	0.18	0.25	-0.10	-0.10	-0.10	-0.10	0.02
1972-73 SE OF DP		0.06	0.20	0.06	0.10	0.06	0.06	0.05	0.34	0.06	0.06	0.06	0.06	0.06	0.31	0.25	0.35	0.06	0.06	0.06	0.06	0.09
AGE: 17																						
1972-73 P-VALUE	0.13	0.25	0.18	0.00	0.09	0.12	0.14	0.05	0.88	0.00	0.00	0.37	0.00	0.00	1.46	0.00	0.77	0.00	0.00	0.28	0.00	0.09
1972-73 SE OF P-VAL	0.06	0.18	0.19	0.00	0.08	0.09	0.10	0.04	0.49	0.00	0.00	0.37	0.00	0.00	0.80	0.00	0.54	0.00	0.05	0.28	0.00	0.09
1972-73 DELTA-P		0.12	0.05	-0.13*	-0.04	-0.01	0.01	-0.08	0.75	-0.13*	-0.13*	0.24	-0.13*	-0.13*	1.33	-0.13*	0.64	-0.13*	-0.13*	0.15	-0.13*	-0.04
1972-73 SE OF DP		0.14	0.16	0.06	0.09	0.07	0.06	0.05	0.44	0.06	0.06	0.34	0.06	0.06	0.76	0.06	0.51	0.06	0.06	0.25	0.06	0.08
TEXT: All Acceptable Responses.																						
RESPONSE: 01* AGE: 9																						
1972-73 P-VALUE	63.60	64.29	64.27	64.70	61.23	64.82	62.29	62.92	64.20	70.99	61.86	67.63	60.81	65.17	63.64	56.95	64.96	64.61	69.36	63.31	63.61	62.85
1972-73 SE OF P-VAL	1.44	3.35	2.75	1.87	3.33	1.56	1.97	1.57	3.07	4.03	5.40	5.78	3.17	1.86	2.18	5.05	3.49	3.76	2.64	4.54	1.63	2.15
1972-73 DELTA-P		0.69	0.67	1.10	-2.37	1.22	-1.31	-0.68	0.60	7.39	-1.74	4.03	-2.79	1.57	0.04	-6.65	1.36	1.61	5.76#	-0.29	0.01	-0.75
1972-73 SE OF DP		2.83	2.50	1.90	2.69	1.01	1.09	0.56	2.78	3.91	5.39	5.66	2.63	1.67	1.34	4.51	3.33	3.34	2.28	4.02	3.63	1.62
AGE: 13																						
1972-73 P-VALUE	83.64	84.90	83.19	83.73	82.65	85.80	81.34	84.73	79.03	80.43	81.34	84.35	85.38	83.98	80.29	83.04	78.03	77.23	85.[illegible]	85.37	81.21	84.96
1972-73 SE OF P-VAL	1.08	2.59	1.88	2.14	1.86	1.36	1.39	1.14	3.02	2.99	2.98	2.48	1.72	1.85	1.96	2.67	3.80	4.45	2.49	1.67	2.65	1.92
1972-73 DELTA-P		1.26	-0.45	0.09	-0.99	2.16#	-2.30#	1.09*	-4.61	-3.21	-2.30	0.71	1.74	0.34	-3.35	-0.60	-5.61	-6.41	6.19*	1.73	-2.43	1.32
1972-73 SE OF DP		2.12	1.79	1.79	1.70	0.83	0.87	0.52	2.62	2.87	2.97	2.38	1.38	1.21	1.92	2.75	3.49	4.05	2.54	1.56	2.45	1.57
AGE: 17																						
1972-73 P-VALUE	89.38	89.39	86.95	89.89	90.71	90.52	88.27	91.17	79.01	82.39	86.71	82.67	88.63	92.26	84.63	88.26	88.36	91.68	85.73	91.45	88.73	89.67
1972-73 SE OF P-VAL	0.77	1.70	1.70	1.21	1.61	1.01	0.97	0.80	2.06	4.31	3.38	2.52	1.68	1.00	2.93	3.16	1.66	1.86	2.52	1.30	2.00	1.36
1972-73 DELTA-P		0.01	-2.43	0.51	1.33	1.14	-1.11	1.79#	-10.37#	-6.99	-2.67	-6.71#	-0.75	2.88#	-4.75	-1.12	-3.62	2.30	-3.65	2.07	-0.65	0.29
1972-73 SE OF DP		1.38	1.57	1.14	1.34	0.63	0.61	0.38	2.04	4.13	3.29	2.43	1.45	0.76	2.77	3.09	1.79	1.66	2.40	1.26	1.96	0.98
TEXT: I Don't Know.																						
RESPONSE: 09 AGE: 9																						
1972-73 P-VALUE	7.23	7.37	8.69	5.83	7.35	5.45	9.14	6.98	8.70	7.04	5.74	6.61	6.56	4.68	9.91	8.44	8.29	6.46	4.02	8.76	7.27	7.33
1972-73 SE OF P-VAL	0.59	1.43	1.19	0.95	1.20	0.82	0.83	0.64	1.75	2.34	2.21	2.49	1.26	0.77	1.10	2.22	1.98	1.72	0.99	1.95	2.02	1.09
1972-73 DELTA-P		0.14	1.46	-1.40	0.12	-1.78#	1.91#	-0.25	1.47	-0.19	-1.49	-0.62	-0.67	-2.55#	2.68#	1.21	1.06	-0.75	-3.21#	1.53	0.04	0.10
1972-73 SE OF DP		1.20	1.08	0.86	1.02	0.56	0.59	0.32	1.58	2.27	2.12	2.41	1.17	0.69	0.77	2.22	1.84	1.72	1.00	1.81	1.97	0.81
AGE: 13																						
1972-73 P-VALUE	2.20	2.21	1.75	2.72	1.99	1.88	2.55	2.20	2.04	2.42	0.32	1.30	2.49	1.76	4.18	1.66	2.39	3.62	1.87	3.02	1.88	2.10
1972-73 SE OF P-VAL	0.32	0.79	0.40	0.70	0.47	0.44	0.47	0.39	0.52	1.23	0.32	0.64	0.64	0.52	1.11	0.47	0.67	1.21	1.11	1.02	0.53	0.61
1972-73 DELTA-P		0.01	-0.45	0.52	-0.21	-0.32	0.35	0.00	-0.16	0.22	-1.88#	-0.90	0.29	-0.44	1.98*	-1.14	0.19	1.42	-0.33	0.82	-0.32	-0.10
1972-73 SE OF DP		0.64	0.44	0.56	0.46	0.32	0.34	0.16	0.57	1.19	0.45	0.67	0.57	0.41	0.97	0.58	0.68	1.12	1.05	0.65	0.58	0.48
AGE: 17																						
1972-73 P-VALUE	1.01	1.03	1.19	0.75	1.10	0.46	1.54	0.92	1.75	1.04	1.75	0.40	0.86	1.11	1.22	1.33	0.92	0.86	1.94	0.92	1.20	0.78
1972-73 SE OF P-VAL	0.21	0.47	0.48	0.33	0.40	0.19	0.38	0.24	0.79	0.80	0.81	0.40	0.39	0.32	0.78	0.98	0.66	0.41	1.03	0.67	0.64	0.28
1972-73 DELTA-P		0.02	0.18	-0.26	0.09	-0.55#	0.53#	-0.09	0.74	0.03	0.74	-0.61	-0.15	0.10	0.21	0.32	-0.05	-0.13	0.93	-0.09	0.19	-0.23
1972-73 SE OF DP		0.38	0.42	0.31	0.34	0.22	0.21	0.11	0.73	0.83	0.78	0.45	0.29	0.23	0.76	0.95	0.66	0.44	0.93	0.61	0.66	0.24

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203020-123 UP232

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIC.

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.76	0.84	1.25	0.84	0.18	1.16	0.33	0.25	3.42	1.07	1.27	3.77	0.45	0.42	0.83	0.16	3.17	0.32	1.01	0.46	0.54	0.63
1972-73 SE OF P-VAL	0.20	0.41	0.54	0.39	0.20	0.33	0.12	0.12	0.96	0.59	0.93	2.00	0.26	0.21	0.24	0.17	1.39	0.33	0.58	0.46	0.39	0.30
1972-73 DELTA-P		0.08	0.49	0.08	-0.58#	0.40#	-0.43#	-0.51#	2.66#	0.31	0.51	3.01	-0.31	-0.34	0.07	-0.60*	2.41	-0.44	0.25	-0.30	-0.22	-0.13
1972-73 SE OF DP		0.36	0.45	0.32	0.23	0.15	0.16	0.16	0.81	0.61	0.85	1.90	0.26	0.21	0.14	0.25	1.29	0.34	0.53	0.43	0.41	0.25
AGE: 13																						
1972-73 P-VALUE	0.15	0.00	0.55	0.00	0.12	0.14	0.16	0.09	0.63	0.00	0.00	0.47	0.00	0.00	0.66	0.54	0.36	0.00	0.00	0.00	0.00	0.16
1972-73 SE OF P-VAL	0.07	0.00	0.31	0.00	0.12	0.10	0.10	0.06	0.40	0.00	0.00	0.37	0.00	0.00	0.37	0.37	0.38	0.00	0.00	0.00	0.00	0.13
1972-73 DELTA-P		-0.15*	0.40	-0.15*	-0.03	-0.01	0.01	-0.06	0.48	-0.15*	-0.15*	0.32	-0.15*	-0.15*	0.51	0.39	0.21	-0.15*	-0.15*	-0.15*	-0.15*	0.01
1972-73 SE OF DP		0.07	0.25	0.07	0.11	0.07	0.07	0.05	0.36	0.07	0.07	0.34	0.07	0.07	0.32	0.33	0.35	0.07	0.07	0.07	0.07	0.10
AGE: 17																						
1972-73 P-VALUE	0.19	0.60	0.00	0.00	0.09	0.24	0.14	0.05	1.41	0.00	0.00	0.00	0.19	0.00	2.10	0.00	1.34	0.00	0.61	0.28	0.00	0.00
1972-73 SE OF P-VAL	0.09	0.31	0.00	0.00	0.08	0.14	0.10	0.05	0.72	0.00	0.00	0.00	0.18	0.00	1.01	0.00	0.77	0.00	0.59	0.28	0.00	0.00
1972-73 DELTA-P		0.41	-0.19*	-0.19*	-0.10	0.05	-0.05	-0.14	1.22	-0.19*	-0.19*	-0.19*	0.00	-0.19*	1.91*	-0.19*	1.15	-0.19*	0.42	0.09	-0.19*	-0.19*
1972-73 SE OF DP		0.23	0.09	0.09	0.10	0.09	0.08	0.08	0.65	0.09	0.09	0.09	0.14	0.09	0.95	0.09	0.72	0.09	0.54	0.25	0.09	0.09
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	62.21	60.84	59.05	67.23	60.75	63.17	61.19	63.76	55.10	58.87	52.84	57.40	61.58	66.04	61.16	60.44	55.80	70.77	58.78	61.92	70.90	59.53
1972-73 SE OF P-VAL	1.35	2.64	2.87	2.35	2.81	1.58	2.17	1.59	2.76	4.83	4.86	5.16	2.69	1.74	2.00	3.54	2.75	3.26	2.87	3.88	3.04	2.49
1972-73 DELTA-P		-1.37	-3.16	5.02*	-1.46	0.96	-1.02	1.55*	-7.11#	-3.34	-9.37	-4.81	-0.63	3.83#	-1.05	-1.77	-6.41*	8.56#	-3.45	-0.29	8.69#	-2.68
1972-73 SE OF DP		2.34	2.53	2.03	2.37	1.28	1.37	0.65	2.62	4.73	4.86	5.05	2.15	1.41	1.32	3.41	2.81	3.33	2.93	3.47	2.83	1.93
AGE: 13																						
1972-73 P-VALUE	60.48	59.76	61.03	59.74	61.55	59.34	61.69	62.25	53.55	54.49	58.26	57.95	62.28	61.92	56.27	58.05	55.17	57.17	57.45	63.32	63.34	62.19
1972-73 SE OF P-VAL	1.17	1.72	1.84	2.84	2.52	1.57	1.78	1.34	2.40	2.66	3.63	2.80	2.31	1.86	3.02	2.18	2.42	4.33	2.76	2.62	3.09	2.64
1972-73 DELTA-P		-0.72	0.55	-0.74	1.07	-1.14	1.21	1.77#	-6.93#	-5.99*	-2.22	-2.53	1.80	1.44	-4.21	-2.43	-5.31*	-3.31	-3.03	2.84	2.86	1.71
1972-73 SE OF DP		1.68	1.82	2.22	2.14	1.16	1.23	0.52	2.38	2.59	3.51	3.05	1.91	1.43	2.50	2.21	2.55	4.08	2.63	2.56	2.91	1.98
AGE: 17																						
1972-73 P-VALUE	77.43	80.63	74.94	75.08	78.30	80.24	74.70	78.91	70.92	68.03	69.16	73.96	77.33	80.59	67.82	70.79	66.96	85.02	70.95	79.76	70.20	80.71
1972-73 SE OF P-VAL	1.30	1.65	2.25	1.88	3.77	1.64	1.71	1.28	2.66	4.69	4.41	3.20	1.99	1.61	4.52	3.69	3.98	2.83	4.25	2.46	2.07	1.81
1972-73 DELTA-P		3.20	-2.49	-2.35	0.87	2.81#	-2.73*	1.48#	-6.51*	-9.40*	-8.27*	-3.47	-0.10	3.16#	-9.61*	-6.64	-10.47#	7.59#	-6.48	2.33	-7.23#	3.28#
1972-73 SE OF DP		1.69	2.18	1.85	2.87	1.10	1.11	0.47	2.71	4.00	4.10	3.04	1.74	1.06	4.08	3.66	3.68	2.68	4.00	2.55	2.02	1.24
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	6.83	6.93	6.70	5.49	8.27	5.55	8.20	6.39	8.58	8.39	6.94	7.37	4.15	4.11	10.40	5.64	8.48	5.30	5.00	9.37	3.32	7.86
1972-73 SE OF P-VAL	0.52	0.90	1.22	0.96	1.03	0.66	0.86	0.57	1.39	2.82	1.92	2.60	0.94	0.68	1.06	2.44	2.21	1.59	1.42	1.51	1.01	0.94
1972-73 DELTA-P		0.10	-0.13	-1.34	1.44	-1.28*	1.37*	-0.44	1.75	1.56	0.11	0.54	-2.68#	-2.72#	3.57#	-1.19	1.65	-1.53	-1.83	2.54	-3.51#	1.03
1972-73 SE OF DP		0.83	1.04	0.81	0.89	0.54	0.59	0.26	1.33	2.73	1.84	2.63	0.82	0.65	0.77	2.30	2.18	1.51	1.47	1.47	0.98	0.69
AGE: 13																						
1972-73 P-VALUE	4.85	5.40	2.75	5.71	5.11	4.30	5.44	4.37	3.96	10.18	2.54	4.51	4.57	3.89	9.05	3.70	6.37	6.88	8.35	6.64	2.02	3.38
1972-73 SE OF P-VAL	0.70	1.56	0.70	1.21	1.70	0.91	0.76	0.73	0.99	3.22	1.19	1.40	1.14	0.79	1.68	0.97	1.79	2.16	2.83	2.71	0.66	0.68
1972-73 DELTA-P		0.55	-2.10*	0.86	0.26	-0.55	0.59	-0.48	-0.89	5.33	-2.31	-0.34	-0.28	-0.96	4.20#	-1.15	1.52	2.03	3.50	1.99	-2.83#	-1.47
1972-73 SE OF DP		1.29	0.87	1.06	1.38	0.45	0.48	0.42	1.19	2.87	1.31	1.39	0.78	0.64	1.20	0.98	1.82	2.14	2.44	2.32	0.91	0.75
AGE: 17																						
1972-73 P-VALUE	3.60	2.00	2.18	5.40	4.57	2.61	4.56	3.44	4.14	4.88	4.89	3.75	3.94	3.15	3.89	4.46	2.97	2.03	5.03	4.25	5.32	3.01
1972-73 SE OF P-VAL	0.51	0.67	0.62	1.30	1.10	0.65	0.72	0.56	1.16	1.55	1.73	1.36	0.92	0.66	2.22	0.96	1.23	0.84	1.66	1.27	1.89	0.64
1972-73 DELTA-P		-1.60*	-1.42*	1.80	0.97	-0.99*	0.96*	-0.16	0.54	1.28	1.29	0.15	0.34	-0.45	0.29	0.86	-0.63	-1.57	1.43	0.65	1.72	-0.59
1972-73 SE OF DP		0.66	0.70	1.03	0.91	0.48	0.46	0.19	1.07	1.56	1.56	1.26	0.78	0.51	2.08	1.29	1.15	0.86	1.55	1.17	1.64	0.47

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203020-123 UP232

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIC.

Part C.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.23	0.45	0.30	0.00	0.16	0.32	0.14	0.16	0.51	0.45	0.57	0.00	0.58	0.16	0.08	0.00	0.36	0.00	0.00	0.23	0.88	0.20
1972-73 SE OF P-VAL	0.09	0.28	0.25	0.00	0.16	0.16	0.09	0.09	0.38	0.48	0.58	0.00	0.34	0.13	0.08	0.00	0.33	0.00	0.00	0.23	0.49	0.14
1972-73 DELTA-P		0.22	0.15	-0.23#	-0.07	0.09	-0.09	-0.07	0.28	0.22	0.34	-0.23#	0.35	-0.07	-0.15	-0.23#	0.13	-0.23#	-0.23#	0.00	0.65	-0.03
1972-73 SE OF DP		0.23	0.21	0.09	0.14	0.09	0.09	0.06	0.33	0.46	0.56	0.09	0.27	0.12	0.10	0.09	0.32	0.09	0.09	0.22	0.44	0.11
AGE: 13																						
1972-73 P-VALUE	0.07	0.00	0.17	0.00	0.12	0.00	0.14	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.42	0.29	0.36	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.17	0.00	0.12	0.00	0.10	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.30	0.28	0.38	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.07	0.10	-0.07	0.05	-0.07	0.07	-0.07	0.47	-0.07	-0.07	-0.07	-0.07	-0.07	0.35	0.22	0.29	-0.07	-0.07	-0.07	-0.07	-0.07
1972-73 SE OF DP		0.05	0.14	0.05	0.10	0.05	0.05	0.05	0.34	0.05	0.05	0.05	0.05	0.05	0.25	0.24	0.35	0.05	0.05	0.05	0.05	0.05
AGE: 17																						
1972-73 P-VALUE	0.09	0.25	0.00	0.00	0.08	0.12	0.06	0.00	0.87	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.76	0.00	0.00	0.27	0.00	0.00
1972-73 SE OF P-VAL	0.05	0.18	0.00	0.00	0.08	0.09	0.06	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.54	0.00	0.00	0.28	0.00	0.00
1972-73 DELTA-P		0.16	-0.09	-0.09	-0.01	0.03	-0.03	-0.09	0.78	-0.09	-0.09	-0.09	-0.09	-0.09	1.36	-0.09	0.67	-0.09	-0.09	0.18	-0.09	-0.09
1972-73 SE OF DP		0.13	0.05	0.05	0.08	0.05	0.05	0.05	0.44	0.05	0.05	0.05	0.05	0.05	0.75	0.05	0.51	0.05	0.05	0.25	0.05	0.05
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	86.57	88.43	82.53	87.37	87.48	87.16	85.94	89.64	72.13	80.84	86.68	79.10	88.03	89.32	84.29	86.53	74.58	90.24	87.05	89.92	84.92	87.01
1972-73 SE OF P-VAL	0.85	1.03	2.00	1.73	1.83	1.01	1.24	0.72	2.79	4.87	3.89	5.03	1.45	1.33	1.13	2.21	4.00	2.24	3.03	1.64	2.66	1.28
1972-73 DELTA-P		1.86	-4.04*	0.80	0.91	0.59	-0.63	3.07#	-14.44#	-5.73	0.11	-7.47	1.46	2.75#	-2.28*	-0.04	-11.99#	3.67	0.48	3.35*	-1.65	0.44
1972-73 SE OF DP		1.13	1.72	1.42	1.53	0.72	0.77	0.55	2.49	4.29	3.81	4.85	1.16	0.94	0.92	2.28	3.64	2.30	2.82	1.66	2.44	1.04
AGE: 13																						
1972-73 P-VALUE	93.44	94.30	91.24	93.94	93.87	92.69	94.24	94.88	85.79	91.24	87.74	94.13	95.00	95.39	88.40	90.61	88.02	93.77	95.54	96.44	93.51	93.71
1972-73 SE OF P-VAL	0.57	1.39	0.89	1.09	1.13	0.88	0.60	0.62	1.45	1.63	2.69	1.97	0.82	0.84	1.74	1.72	2.21	1.94	1.34	1.26	1.57	0.95
1972-73 DELTA-P		0.86	-2.20*	0.50	0.43	-0.75	0.80	1.44#	-7.65#	-2.20	-5.70*	0.69	1.56*	1.95#	-5.04#	-2.83	-5.42#	0.33	2.10	3.00*	0.07	0.27
1972-73 SE OF DP		1.13	0.90	0.93	0.98	0.49	0.51	0.29	1.36	1.47	2.59	1.98	0.77	0.67	1.48	1.63	2.08	1.84	1.29	1.22	1.46	0.80
AGE: 17																						
1972-73 P-VALUE	96.49	95.62	97.99	96.75	96.00	96.75	96.23	96.93	93.62	95.25	93.13	94.23	95.69	98.16	94.68	97.44	93.40	98.52	93.00	96.27	96.84	97.02
1972-73 SE OF P-VAL	0.45	0.93	0.57	0.77	1.07	0.57	0.61	0.44	1.20	2.78	1.99	1.81	0.95	0.36	1.75	1.35	1.83	0.73	2.65	1.41	0.92	0.53
1972-73 DELTA-P		-0.87	1.50*	0.26	-0.49	0.26	-0.26	0.44	-2.87#	-1.24	-3.36	-2.26	-0.80	1.67#	-1.81	0.95	-3.09	2.03*	-3.49	-0.22	0.35	0.53
1972-73 SE OF DP		0.77	0.61	0.70	0.86	0.39	0.38	0.24	1.09	2.58	2.01	1.62	0.68	0.45	1.62	1.41	1.72	0.82	2.41	1.25	0.95	0.50
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.90	3.22	4.29	3.95	4.12	3.66	4.16	3.44	5.39	6.32	2.78	1.16	3.40	2.46	5.75	2.92	2.75	3.26	3.98	3.39	3.66	4.77
1972-73 SE OF P-VAL	0.39	0.50	1.03	0.88	0.63	0.53	0.60	0.41	1.10	1.99	1.67	0.77	1.05	0.58	0.69	1.22	0.69	1.39	1.47	1.04	1.17	0.68
1972-73 DELTA-P		-0.68	0.39	0.05	0.22	-0.24	0.26	-0.46*	1.49	2.42	-1.12	-2.74#	-0.50	-1.44#	1.85#	-0.98	-1.15	-0.64	0.08	-0.51	-0.24	0.87
1972-73 SE OF DP		0.54	0.87	0.70	0.58	0.39	0.42	0.22	0.96	1.91	1.60	0.85	0.98	0.50	0.52	1.16	0.77	1.33	1.41	0.95	1.10	0.53
AGE: 13																						
1972-73 P-VALUE	1.87	2.01	1.38	2.49	1.46	2.20	1.51	1.68	2.54	2.63	2.33	0.38	1.02	1.64	4.65	2.25	1.39	3.91	2.25	1.14	0.58	2.11
1972-73 SE OF P-VAL	0.34	0.55	0.45	0.92	0.60	0.59	0.39	0.39	0.91	1.21	1.14	0.40	0.41	0.63	1.29	1.41	0.78	1.46	1.10	0.64	0.40	0.59
1972-73 DELTA-P		0.14	-0.49	0.62	-0.41	0.33	-0.36	-0.19	0.67	0.76	0.46	-1.49#	-0.85*	-0.23	2.78*	0.38	-0.48	2.04	0.38	-0.73	-1.29#	0.24
1972-73 SE OF DP		0.52	0.48	0.70	0.55	0.36	0.38	0.19	0.88	1.13	1.09	0.49	0.42	0.49	1.14	1.24	0.80	1.38	1.02	0.66	0.49	0.48
AGE: 17																						
1972-73 P-VALUE	1.05	0.85	0.35	1.51	1.34	0.96	1.14	1.02	1.41	0.83	2.13	1.41	1.58	0.41	1.68	0.52	2.55	0.73	1.68	0.90	0.23	1.12
1972-73 SE OF P-VAL	0.24	0.34	0.21	0.67	0.46	0.32	0.30	0.28	0.65	0.57	1.14	0.80	0.53	0.23	0.90	0.54	1.09	0.51	1.41	0.64	0.22	0.36
1972-73 DELTA-P		-0.20	-0.70*	0.46	0.29	-0.09	0.09	-0.03	0.36	-0.22	1.08	0.36	0.53	-0.64#	0.63	-0.53	1.50	-0.32	0.63	-0.15	-0.82#	0.07
1972-73 SE OF DP		0.33	0.29	0.52	0.40	0.20	0.20	0.09	0.63	0.62	1.09	0.77	0.39	0.22	0.89	0.56	1.06	0.50	1.30	0.62	0.32	0.27

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203020-123 UP232

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIC.

Part D.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.45	0.65	0.67	0.35	0.20	0.69	0.19	0.25	1.40	0.80	1.27	0.55	0.67	0.13	0.48	0.00	1.68	0.32	0.00	0.23	1.03	0.36
1972-73 SE OF P-VAL	0.16	0.45	0.40	0.22	0.20	0.27	0.10	0.14	0.64	0.62	0.93	0.55	0.37	0.13	0.21	0.00	0.84	0.33	0.00	0.23	0.83	0.23
1972-73 DELTA-P		0.20	0.22	-0.10	-0.25	0.24	-0.26*	-0.20*	0.95	0.35	0.82	0.10	0.22	-0.32	0.03	-0.45#	1.23	-0.13	-0.45#	-0.22	0.58	-0.09
1972-73 SE OF DP		0.37	0.34	0.21	0.21	0.13	0.13	0.10	0.55	0.59	0.86	0.56	0.28	0.17	0.12	0.16	0.78	0.32	0.16	0.25	0.75	0.19
AGE: 13																						
1972-73 P-VALUE	0.04	0.00	0.17	0.00	0.00	0.00	0.08	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.23	0.29	0.00	0.00	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.04	0.00	0.17	0.00	0.00	0.00	0.07	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.22	0.28	0.00	0.00	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.04	0.13	-0.04	-0.04	-0.04	0.04	-0.04	0.25	-0.04	-0.04	-0.04	-0.04	-0.04	0.19	0.25	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
1972-73 SE OF DP		0.04	0.13	0.04	0.04	0.04	0.04	0.04	0.26	0.08	0.04	0.04	0.04	0.04	0.19	0.24	0.04	0.04	0.04	0.04	0.04	0.04
AGE: 17																						
1972-73 P-VALUE	0.20	0.38	0.00	0.00	0.36	0.35	0.06	0.13	0.87	0.00	0.00	0.00	0.00	0.23	1.45	0.00	0.76	0.29	0.00	0.27	0.61	0.00
1972-73 SE OF P-VAL	0.10	0.23	0.00	0.00	0.30	0.19	0.06	0.10	0.49	0.00	0.00	0.00	0.00	0.18	0.80	0.00	0.54	0.32	0.00	0.28	0.60	0.00
1972-73 DELTA-P		0.18	-0.20*	-0.20*	0.16	0.15	-0.14	-0.07	0.67	-0.20*	-0.20*	-0.20*	-0.20*	0.03	1.25	-0.20*	0.56	0.09	-0.20*	0.07	0.41	-0.20*
1972-73 SE OF DP		0.18	0.10	0.10	0.23	0.10	0.10	0.05	0.45	0.10	0.10	0.10	0.10	0.11	0.76	0.10	0.52	0.29	0.16	0.26	0.53	0.10
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	77.67	77.29	77.60	74.95	80.98	77.29	78.07	77.30	77.47	82.98	82.10	79.15	81.58	77.40	75.08	80.71	78.19	75.66	75.52	75.01	80.05	76.44
1972-73 SE OF P-VAL	0.98	1.56	2.22	1.81	1.98	1.46	1.16	1.16	2.30	3.25	3.64	4.53	1.86	1.85	1.64	2.18	3.15	3.18	4.05	2.60	2.92	1.82
1972-73 DELTA-P		-0.38	-0.07	-2.72	3.31*	-0.38	0.40	-0.37	-0.20	5.31	4.43	1.48	3.91*	-0.27	-2.59*	3.04	0.52	-2.01	-2.14	-2.66	2.38	0.77
1972-73 SE OF DP		1.50	1.92	1.56	1.62	0.86	0.92	0.44	2.19	3.27	3.49	4.50	1.71	1.51	1.29	2.19	3.13	3.10	3.87	2.46	2.79	1.30
AGE: 13																						
1972-73 P-VALUE	85.90	86.51	84.60	87.39	84.73	86.84	84.90	86.17	85.07	84.70	80.74	85.97	88.49	86.51	82.15	85.22	86.60	82.86	87.13	88.88	83.55	85.84
1972-73 SE OF P-VAL	0.81	1.31	1.23	1.74	1.90	1.02	1.15	0.89	2.05	3.89	2.89	2.07	1.22	1.33	2.17	1.67	2.12	3.06	2.64	1.54	1.66	1.82
1972-73 DELTA-P		0.61	-1.30	1.49	-1.17	0.94	-1.00	0.27	-0.83	-1.20	-5.16*	0.07	2.59#	0.61	-3.75	-0.68	0.70	-3.04	1.23	2.98	-2.35	-0.06
1972-73 SE OF DP		1.22	1.23	1.40	1.56	0.70	0.75	0.51	1.87	3.65	2.51	2.08	1.03	0.98	2.13	1.63	2.03	2.90	2.56	1.51	1.66	1.36
AGE: 17																						
1972-73 P-VALUE	91.10	92.64	90.42	89.98	91.12	90.31	91.86	91.49	89.32	88.79	89.90	91.92	88.72	92.19	94.21	92.15	88.13	91.26	86.98	88.60	89.52	93.70
1972-73 SE OF P-VAL	0.82	1.18	1.95	1.60	1.79	1.21	0.93	0.83	2.09	3.03	3.45	1.69	1.40	1.12	1.90	2.54	2.92	1.94	2.79	1.94	2.05	1.15
1972-73 DELTA-P		1.54	-0.68	-1.12	0.02	-0.79	0.76	0.39	-1.78	-2.31	-1.20	0.82	-2.38*	1.09	3.11	1.05	-2.97	0.16	-4.12	-2.50	-1.58	2.60#
1972-73 SE OF DP		1.14	1.71	1.38	1.47	0.71	0.68	0.27	1.91	2.82	3.21	1.57	1.13	0.78	1.94	2.67	2.66	1.81	2.62	1.83	1.79	0.93
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.44	3.53	3.41	3.26	3.58	3.09	3.82	3.14	4.28	5.37	0.97	1.16	3.39	2.70	4.62	1.84	5.13	3.40	3.95	4.38	2.56	3.21
1972-73 SE OF P-VAL	0.46	0.80	1.14	0.83	0.91	0.59	0.60	0.52	1.19	1.84	0.74	0.77	0.94	0.65	0.88	1.16	1.34	1.31	1.41	0.92	1.30	0.71
1972-73 DELTA-P		0.09	-0.03	-0.18	0.14	-0.35	0.38	-0.30	0.84	1.93	-2.47#	-2.28#	-0.05	-0.74	1.18*	-1.60	1.69	-0.04	0.51	0.94	-0.88	-0.23
1972-73 SE OF DP		0.74	0.96	0.71	0.78	0.37	0.39	0.23	1.14	1.79	0.83	0.84	0.87	0.60	0.58	1.14	1.28	1.19	1.27	0.86	1.21	0.56
AGE: 13																						
1972-73 P-VALUE	1.87	1.26	1.00	2.72	2.27	1.53	2.23	1.56	2.68	3.43	3.55	1.67	1.06	1.44	3.67	1.82	3.19	2.88	1.84	2.43	1.98	0.97
1972-73 SE OF P-VAL	0.33	0.42	0.39	0.68	0.92	0.42	0.57	0.30	0.86	1.65	1.34	1.18	0.37	0.52	1.29	0.73	1.23	1.99	0.80	0.91	0.72	0.37
1972-73 DELTA-P		-0.61	-0.87	0.85	0.40	-0.34	0.36	-0.31	0.81	1.56	1.68	-0.20	-0.81	-0.43	1.80	-0.05	1.32	1.01	-0.03	0.56	0.11	-0.90*
1972-73 SE OF DP		0.44	0.45	0.57	0.72	0.36	0.38	0.21	0.76	1.47	1.30	1.04	0.43	0.44	1.15	0.71	1.11	1.87	0.70	0.77	0.71	0.41
AGE: 17																						
1972-73 P-VALUE	1.45	1.32	1.12	1.30	1.97	1.40	1.50	1.44	0.52	3.12	1.65	0.00	1.89	1.41	1.83	0.51	0.55	2.53	3.31	2.75	1.58	0.49
1972-73 SE OF P-VAL	0.31	0.67	0.40	0.47	0.78	0.42	0.43	0.33	0.39	1.31	1.24	0.00	0.67	0.36	1.02	0.37	0.30	0.94	1.04	1.44	1.00	0.27
1972-73 DELTA-P		-0.13	-0.33	-0.15	0.52	-0.05	0.05	-0.01	-0.93	1.67	0.20	-1.45#	0.44	-0.04	0.38	-0.94*	-0.90*	1.08	1.86	1.30	0.13	-0.96#
1972-73 SE OF DP		0.55	0.44	0.45	0.59	0.30	0.29	0.09	0.48	1.20	1.08	0.31	0.47	0.32	1.01	0.46	0.37	0.90	0.96	1.27	0.91	0.32

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203020-123   UP232

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 5.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.16	0.45	0.07	0.14	0.00	0.22	0.09	0.12	0.26	0.45	0.00	0.06	0.36	0.00	0.22	0.00	0.85	0.00	0.00	0.23	0.42	0.04
1972-73 SE OF P-VAL	0.08	0.28	0.08	0.14	0.00	0.13	0.07	0.07	0.26	0.48	0.00	0.00	0.26	0.00	0.13	0.00	0.55	0.00	0.00	0.23	0.41	0.04
1972-73 DELTA-P		0.29	-0.09	-0.02	-0.16*	0.06	-0.07	-0.04	0.10	0.29	-0.16*	-0.16*	0.20	-0.16*	0.06	-0.16*	0.69	-0.16*	-0.16*	0.07	0.26	-0.12
1972-73 SE OF DP		0.22	0.09	0.12	0.08	0.07	0.08	0.05	0.23	0.46	0.08	0.08	0.21	0.08	0.10	0.08	0.51	0.08	0.08	0.21	0.37	0.08
AGE: 13																						
1972-73 P-VALUE	0.11	0.00	0.16	0.17	0.12	0.09	0.13	0.06	0.53	0.00	0.00	0.00	0.16	0.00	0.41	0.28	0.35	0.00	0.42	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.07	0.00	0.17	0.18	0.12	0.09	0.10	0.06	0.39	0.00	0.00	0.00	0.16	0.00	0.30	0.28	0.19	0.00	0.42	0.00	0.00	0.00
1972-73 DELTA-P		-0.11	0.05	0.06	0.01	-0.02	0.02	-0.05	0.42	-0.11	-0.11	-0.11	0.05	-0.11	0.30	0.17	0.24	-0.11	0.31	-0.11	-0.11	-0.11
1972-73 SE OF DP		0.07	0.15	0.16	0.11	0.06	0.07	0.05	0.35	0.07	0.07	0.07	0.12	0.07	0.25	0.25	0.35	0.07	0.38	0.07	0.07	0.07
AGE: 17																						
1972-73 P-VALUE	0.18	0.50	0.00	0.09	0.08	0.16	0.20	0.01	1.66	0.00	0.92	0.12	0.00	0.00	1.83	0.00	0.76	0.00	1.03	0.27	0.00	0.00
1972-73 SE OF P-VAL	0.07	0.25	0.00	0.09	0.08	0.10	0.10	0.02	0.68	0.00	0.93	0.13	0.00	0.00	0.86	0.00	0.58	0.00	0.77	0.28	0.00	0.00
1972-73 DELTA-P		0.32	-0.18#	-0.09	-0.10	-0.02	0.02	-0.17*	1.48*	-0.18#	0.74	-0.06	-0.18#	-0.18#	1.65*	-0.18#	0.58	-0.18#	0.85	0.09	-0.18#	-0.18#
1972-73 SE OF DP		0.19	0.07	0.10	0.09	0.07	0.07	0.07	0.61	0.07	0.89	0.13	0.07	0.07	0.81	0.07	0.54	0.07	0.72	0.25	0.07	0.07
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	59.37	55.09	53.91	63.90	63.00	62.10	56.44	59.91	54.36	64.18	55.48	60.04	62.35	64.42	54.14	56.52	[illegible]	55.98	56.41	60.14	63.61	61.20
1972-73 SE OF P-VAL	1.38	3.30	1.80	2.59	2.64	1.70	1.64	1.50	2.86	8.80	4.72	5.92	2.45	2.23	1.95	[illegible]	3.83	3.49	3.67	3.35	1.95	2.61
1972-73 DELTA-P		-4.28	-5.46#	4.53*	3.63	2.73#	-2.93#	0.54	-5.01	4.81	-3.89	0.67	2.98	5.05#	-5.23#	[illegible]	-4.31	-3.39	-2.96	0.77	4.24	1.83
1972-73 SE OF DP		2.75	1.92	2.18	2.24	0.92	1.00	0.57	2.83	8.36	4.59	5.92	2.03	1.73	1.30	3.94	3.87	3.30	3.43	3.15	2.20	1.84
AGE: 13																						
1972-73 P-VALUE	74.90	75.72	72.72	78.56	71.88	78.50	71.06	77.48	62.86	68.77	67.50	75.18	73.30	81.26	66.57	76.26	58.81	82.66	73.48	80.60	74.65	74.68
1972-73 SE OF P-VAL	1.14	2.22	2.85	1.97	2.01	1.36	1.53	1.29	2.05	3.26	3.38	3.14	2.04	1.53	2.74	2.82	5.15	2.79	2.68	2.52	1.78	2.16
1972-73 DELTA-P		0.82	-2.18	3.66*	-3.02	3.60#	-3.84#	2.58#	-12.04#	-6.13	-7.40#	0.28	-1.60	6.36#	-8.33#	1.36	-16.09#	7.76#	-1.42	5.70*	-0.25	-0.22
1972-73 SE OF DP		1.92	2.44	1.71	1.81	0.86	0.93	0.53	2.25	3.10	2.95	2.96	1.48	1.21	2.61	2.67	4.88	2.73	2.59	2.34	1.74	1.62
AGE: 17																						
1972-73 P-VALUE	86.01	84.86	83.14	88.77	86.69	90.94	81.22	87.84	76.96	76.16	81.96	82.03	86.76	87.50	81.57	86.02	83.06	92.92	78.43	83.82	84.05	87.41
1972-73 SE OF P-VAL	0.93	2.00	1.81	1.59	1.97	1.05	1.41	0.90	2.59	4.87	3.04	2.65	1.56	1.31	4.83	2.51	2.55	1.71	4.85	2.23	3.24	1.35
1972-73 DELTA-P		-1.15	-2.87	2.76	0.68	4.93#	-4.79#	1.83#	-9.05#	-9.85*	-4.05	-3.98	0.75	1.49	-4.44	0.01	-2.95	6.91#	-7.58	-2.19	-1.96	1.40
1972-73 SE OF DP		1.64	1.70	1.45	1.63	0.89	0.91	0.48	2.37	4.63	2.90	2.60	1.28	1.01	4.55	2.48	2.62	1.67	4.49	2.16	2.96	1.13
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.49	5.21	7.63	6.39	6.77	4.47	8.65	6.15	7.46	8.56	4.49	1.37	5.00	3.80	10.23	5.63	10.29	4.47	7.18	6.86	5.63	6.49
1972-73 SE OF P-VAL	0.66	1.33	1.58	1.11	1.32	0.62	1.07	0.72	1.28	2.66	1.76	0.81	1.14	0.89	1.14	2.38	2.67	1.47	2.08	1.01	1.24	1.16
1972-73 DELTA-P		-1.28	1.14	-0.10	0.28	-2.02#	2.16#	-0.34	0.97	2.07	-2.00	-5.12#	-1.49	-2.69#	3.74#	-0.86	3.80	-2.02	0.69	0.37	-0.86	0.00
1972-73 SE OF DP		1.16	1.35	0.99	1.13	0.55	0.59	0.30	1.16	2.50	1.74	0.91	0.98	0.78	0.73	2.22	2.59	1.45	1.91	1.04	1.24	0.80
AGE: 13																						
1972-73 P-VALUE	3.31	2.53	2.27	4.35	3.81	2.10	4.61	2.55	6.54	5.56	6.32	3.87	3.72	1.46	5.04	2.16	8.68	2.79	5.12	2.94	0.96	2.96
1972-73 SE OF P-VAL	0.41	0.67	0.55	0.88	0.98	0.48	0.61	0.48	1.25	1.75	1.81	1.41	0.82	0.48	1.24	0.80	2.26	1.35	1.34	0.96	0.49	0.61
1972-73 DELTA-P		-0.78	-1.04	1.04	0.50	-1.21#	1.30#	-0.76#	3.23#	2.25	3.01	0.56	0.41	-1.85#	1.73	-1.15	5.37#	-0.52	1.81	-0.37	-2.35#	-0.35
1972-73 SE OF DP		0.62	0.58	0.71	0.80	0.35	0.38	0.25	1.21	1.58	1.68	1.31	0.62	0.56	1.10	0.77	2.11	1.26	1.15	0.92	0.63	0.54
AGE: 17																						
1972-73 P-VALUE	2.24	2.54	2.87	1.39	2.28	0.86	3.58	1.54	5.92	5.67	2.72	2.27	2.92	1.12	6.96	1.85	5.81	0.70	5.46	1.36	1.73	1.88
1972-73 SE OF P-VAL	0.38	0.80	0.98	0.49	0.76	0.30	0.65	0.37	1.59	2.53	1.00	1.01	0.88	0.39	2.26	0.68	2.32	0.48	2.05	0.78	0.82	0.62
1972-73 DELTA-P		0.30	0.63	-0.85	0.04	-1.38#	1.34#	-0.70#	3.68*	3.43	0.48	0.03	0.68	-1.12#	4.72*	-0.39	3.57	-1.54#	3.22	-0.88	-0.51	-0.36
1972-73 SE OF DP		0.66	0.84	0.51	0.64	0.34	0.33	0.26	1.48	2.43	1.02	0.90	0.71	0.41	2.12	0.76	2.18	0.56	1.91	0.79	0.83	0.48

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 203020-123 UP232

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIC.

Part F.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.40	0.52	0.38	0.69	0.00	0.58	0.21	0.28	0.90	0.80	0.91	1.53	0.36	0.29	0.33	1.10	1.07	0.00	0.00	0.23	1.18	0.20
1972-73 SE OF P-VAL	0.14	0.27	0.28	0.38	0.00	0.24	0.10	0.18	0.50	0.62	0.68	1.11	0.26	0.26	0.18	1.12	0.58	0.00	0.00	0.23	0.60	0.16
1972-73 DELTA-P		0.12	-0.02	0.29	-0.40#	0.18	-0.19	-0.12	0.50	0.40	0.51	1.13	-0.04	-0.11	-0.07	0.70	0.67	-0.40#	-0.40#	-0.17	0.78	-0.20
1972-73 SE OF DP		0.24	0.25	0.29	0.14	0.12	0.13	0.09	0.45	0.60	0.64	1.07	0.24	0.21	0.15	1.05	0.55	0.14	0.14	0.25	0.55	0.16
AGE: 13																						
1972-73 P-VALUE	0.08	0.00	0.24	0.00	0.12	0.00	0.17	0.02	0.54	0.00	0.00	0.00	0.05	0.00	0.42	0.28	0.35	0.00	0.00	0.00	0.12	0.00
1972-73 SE OF P-VAL	0.05	0.00	0.19	0.00	0.12	0.00	0.10	0.02	0.39	0.00	0.00	0.00	0.05	0.00	0.30	0.28	0.48	0.00	0.00	0.00	0.11	0.00
1972-73 DELTA-P		-0.08	0.16	-0.08	0.04	-0.08	0.09	-0.06	0.46	-0.08	-0.08	-0.08	-0.03	-0.08	0.34	0.20	0.27	-0.08	-0.08	-0.08	0.04	-0.08
1972-73 SE OF DP		0.05	0.15	0.05	0.10	0.05	0.05	0.05	0.34	0.05	0.05	0.05	0.06	0.05	0.25	0.24	0.35	0.05	0.05	0.05	0.11	0.05
AGE: 17																						
1972-73 P-VALUE	0.11	0.24	0.00	0.09	0.08	0.16	0.06	0.00	1.10	0.00	0.00	0.00	0.00	0.00	1.83	0.00	0.76	0.00	0.26	0.27	0.00	0.00
1972-73 SE OF P-VAL	0.06	0.18	0.00	0.09	0.08	0.10	0.06	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.54	0.00	0.27	0.28	0.00	0.00
1972-73 DELTA-P		0.13	-0.11	-0.02	-0.03	0.05	-0.05	-0.11	0.99*	-0.11	-0.11	-0.11	-0.11	-0.11	1.72*	-0.11	0.65	-0.11	0.15	0.16	-0.11	-0.11
1972-73 SE OF DP		0.13	0.06	0.09	0.08	0.06	0.06	0.06	0.48	0.06	0.06	0.06	0.06	0.06	0.80	0.06	0.51	0.06	0.25	0.25	0.06	0.06
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	78.12	80.38	75.43	79.98	76.39	79.29	76.87	78.98	74.33	75.90	61.79	82.60	80.21	79.67	77.45	73.95	68.96	81.03	81.94	78.11	83.90	77.14
1972-73 SE OF P-VAL	1.21	2.36	2.06	2.07	2.93	1.39	1.89	1.38	2.66	3.69	7.83	5.25	1.91	1.90	1.85	4.77	4.31	3.45	3.68	2.47	2.98	2.02
1972-73 DELTA-P		2.26	-2.69	1.86	-1.73	1.17	-1.25	0.86	-3.79	-2.22	-16.33*	4.48	2.09	1.55	-0.67	-4.17	-9.16*	2.91	3.82	-0.01	5.78	-0.98
1972-73 SE OF DP		2.11	1.96	1.83	2.34	1.09	1.16	0.56	2.38	3.72	7.19	4.86	1.84	1.43	1.42	4.66	4.17	3.24	3.30	2.47	3.05	1.48
AGE: 13																						
1972-73 P-VALUE	76.25	75.53	78.48	75.02	76.46	74.25	78.38	75.70	79.01	77.34	82.75	82.00	76.10	72.63	78.41	76.29	77.08	75.24	77.50	77.34	73.36	76.51
1972-73 SE OF P-VAL	1.05	2.46	2.48	1.93	1.56	1.51	1.27	1.22	2.32	3.05	2.51	3.60	1.67	1.87	2.35	3.71	3.15	5.69	2.95	2.70	3.89	1.21
1972-73 DELTA-P		-0.72	2.23	-1.23	0.21	-2.00*	2.13*	-0.55	2.76	1.09	6.50#	5.75	-0.15	-3.62#	2.16	0.04	0.83	-1.01	1.25	1.09	-2.89	0.26
1972-73 SE OF DP		2.02	2.17	1.66	1.52	0.90	0.97	0.87	2.31	2.91	2.54	2.89	1.31	1.30	2.26	3.38	3.17	5.39	2.85	2.60	3.02	1.19
AGE: 17																						
1972-73 P-VALUE	78.59	77.15	79.16	80.47	77.83	77.15	79.99	78.15	82.02	78.81	77.36	80.96	79.27	77.32	82.38	79.24	82.51	78.80	78.39	77.60	74.12	79.50
1972-73 SE OF P-VAL	0.96	1.80	2.27	1.52	2.01	1.40	1.37	1.09	2.32	3.28	3.21	2.74	1.92	1.60	2.95	2.06	2.64	3.25	2.97	3.47	2.68	1.44
1972-73 DELTA-P		-1.44	0.57	1.88	-0.76	-1.44	1.40	-0.44	3.43	0.22	-1.23	2.37	0.68	-1.27	3.79	0.65	3.92	0.21	-0.20	-0.99	-4.47	0.91
1972-73 SE OF DP		1.52	1.99	1.44	1.67	1.02	1.00	0.36	2.37	3.19	3.21	2.57	1.76	1.13	2.78	2.82	2.64	2.98	2.99	3.19	2.47	1.14
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.08	4.10	3.99	4.27	3.94	2.73	5.53	3.91	4.58	5.07	5.20	1.05	2.21	3.69	5.54	3.26	6.16	3.30	4.22	5.14	3.67	3.76
1972-73 SE OF P-VAL	0.46	0.91	0.63	1.05	0.92	0.49	0.73	0.52	1.35	1.32	1.91	0.75	0.75	0.83	0.88	1.06	1.96	1.23	1.71	1.24	1.67	0.75
1972-73 DELTA-P		0.02	-0.09	0.19	-0.14	-1.35#	1.45#	-0.17	0.50	0.99	1.12	-3.03#	-1.87*	-0.39	1.46*	-0.82	2.08	-0.78	0.14	1.06	-0.41	-0.32
1972-73 SE OF DP		0.81	0.66	0.88	0.78	0.41	0.45	0.23	1.26	1.31	1.76	0.84	0.83	0.64	0.63	1.13	1.83	1.13	1.55	1.19	1.59	0.60
AGE: 13																						
1972-73 P-VALUE	3.23	3.54	1.82	4.34	2.88	2.81	3.67	3.56	1.56	2.61	1.54	1.08	3.87	2.99	4.67	1.64	2.87	7.21	3.04	4.21	2.89	2.71
1972-73 SE OF P-VAL	0.43	0.94	0.47	1.05	0.70	0.54	0.63	0.52	0.53	1.20	0.74	0.62	0.96	0.49	1.05	0.82	0.93	2.35	1.22	1.80	0.84	0.52
1972-73 DELTA-P		0.31	-1.41#	1.11	-0.35	-0.42	0.44	0.33*	-1.67#	-0.62	-1.69*	-2.15#	0.64	-0.24	1.44	-1.59	-0.36	3.98	-0.19	0.98	-0.34	-0.52
1972-73 SE OF DP		0.79	0.55	0.83	0.65	0.39	0.42	0.16	0.61	1.17	0.83	0.70	0.69	0.44	0.90	0.84	0.98	2.18	1.15	1.57	0.85	0.57
AGE: 17																						
1972-73 P-VALUE	4.02	4.02	3.78	3.43	3.95	3.64	4.38	4.10	3.55	3.74	4.57	3.93	4.48	3.65	4.22	4.53	5.24	4.27	3.71	5.01	4.39	3.28
1972-73 SE OF P-VAL	0.48	1.22	0.84	0.57	1.04	0.70	0.76	0.51	0.85	1.83	1.34	1.48	0.77	0.62	1.65	1.04	1.17	0.98	1.24	1.94	1.20	0.81
1972-73 DELTA-P		0.00	-0.24	-0.59	-0.07	-0.38	0.36	0.08	-0.47	-0.28	0.55	-0.09	0.46	-0.37	0.20	0.51	1.22	0.25	-0.31	0.99	0.37	-0.74
1972-73 SE OF DP		0.96	0.81	0.62	0.86	0.56	0.54	0.13	0.86	1.69	1.34	1.36	0.62	0.30	1.55	1.06	1.13	0.98	1.21	1.73	1.21	0.61

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 203021-23

72-73 Report #: UB233

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: C. Understand and apply conceptual schemes.

Science Type: Biological science

Exercise Type: Apparatus needed
Scoring Type: Semi-professional
Administration Mode: Individual

Age:	13	17IS
72-73 Package-Exercise:	10-07	12-03
72-73 National P-val:		
UB233-1	35.99	53.12
UB233-2	36.39	53.02
UB233-3	49.09	63.64
UB233-4	62.54	77.51
UB233-5	49.20	57.13
UB233-6	49.36	55.56

Timing: No paced tape was used in this individually administered exercise.

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                                   NATION |            REGION             |      SEX      |        RACE          |            PARENTAL EDUCATION            |              SIZE-AND-TYPE OF COMMUNITY
                                          | NORTH  SOUTH                  |               |               OTHER  |         SOME    GRAD    POST             |EXTREME  LOW    HIGH   MAIN   URBAN  MEDIUM SMALL
                                   _______|  EAST   EAST CENTRAL   WEST   |  MALE  FEMALE | WHITE  BLACK   RACE   | NO HS    HS      HS      HS    UNKNOWN  | RURAL  METRO  METRO BIG CTY FRINGE  CITY  PLACES
EXERCISE: 203021-23    UB233

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 1.

RESPONSE:  00    AGE: 13         TEXT:  No Response.

    1972-73 P-VALUE                0.[illegible]   0.18   0.30   0.00   0.41     0.20   0.18     0.11   0.38   0.74     0.65   0.00   0.07   0.00   1.20     0.28   1.47   0.00   0.00   0.00   0.00   0.20
    1972-73 SE OF P-VAL            0.00     0.18   0.22   0.00   0.22     0.11   0.11     0.08   0.27   0.36     0.32   0.00   0.07   0.00   0.68     0.27   0.83   0.00   0.00   0.06   0.00   0.15
    1972-73 DELTA-P                        -0.09   0.11  -0.19*  0.22     0.01  -0.01    -0.08*  0.19   0.55     0.46  -0.19* -0.12  -0.19*  1.01     0.09   1.28  -0.19* -0.19* -0.19* -0.19*  0.01
    1972-73 SE OF DP                        0.10   0.18   0.08   0.17     0.08   0.08     0.04   0.25   0.34     0.30   0.08   0.09   0.08   0.61     0.26   0.78   0.08   0.08   0.08   0.08   0.12

                 AGE: 17

    1972-73 P-VALUE                0.11     0.00   0.50   0.00   0.00     0.04   0.18     0.02   0.17   1.41     0.00   0.00   0.06   0.09   1.33     0.00   0.00   0.00   0.00   0.47   0.16   0.05
    1972-73 SE OF P-VAL            0.07     0.00   0.34   0.00   0.00     0.03   0.14     0.02   0.17   1.38     0.00   0.00   0.00   0.06   1.32     0.00   0.00   0.00   0.00   0.44   0.15   0.05
    1972-73 DELTA-P                        -0.11   0.39  -0.11  -0.11    -0.07   0.07    -0.09   0.06   1.30    -0.11  -0.11  -0.11  -0.02   1.22    -0.11  -0.11  -0.11  -0.11   0.36   0.05  -0.06
    1972-73 SE OF DP                        0.07   0.26   0.07   0.07     0.07   0.07     0.07   0.17   1.32     0.07   0.07   0.07   0.08   1.25     0.07   0.07   0.07   0.07   0.37   0.15   0.08

RESPONSE:  01*   AGE: 13         TEXT:  All Acceptable Responses.

    1972-73 P-VALUE               35.99    40.59  39.82  37.48  34.85    39.16  32.86    39.08  22.75  23.71    18.15  26.46  32.86  48.44  18.73    30.93  31.72  41.88  31.15  43.83  38.09  33.89
    1972-73 SE OF P-VAL            1.32     2.74   2.61   2.52   2.42     1.90   1.59     1.38   2.42   4.36     4.28   3.85   1.88   1.66   2.93     4.41   4.03   3.27   3.69   3.12   3.78   1.95
    1972-73 DELTA-P                         4.60  -5.17*  1.41  -1.54     3.17# -3.13#    3.09#-13.24#-12.28#  -17.84# -9.53# -3.13  12.45#-17.26#   -5.06  -4.27   5.89  -4.64   7.84#  2.10  -2.10
    1972-73 SE OF DP                        2.36   2.32   2.10   2.16     1.23   1.20     0.58   2.16   4.19     3.82   3.56   1.73   1.26   2.84     3.88   3.89   3.28   3.46   2.99   3.41   1.62

                 AGE: 17

    1972-73 P-VALUE               53.12    55.88  45.04  56.55  53.24    58.17  47.99    57.18  30.11  42.34    27.75  37.87  49.57  64.75  38.78    53.24  41.07  61.17  46.43  51.38  56.06  54.19
    1972-73 SE OF P-VAL            1.46     2.28   3.15   2.60   3.46     2.18   1.77     1.49   2.53   6.12     4.16   4.31   2.30   2.18   4.84     5.33   3.20   3.97   5.36   4.08   2.91   2.37
    1972-73 DELTA-P                         2.76  -8.08#  3.43   0.12     5.05# -5.13#    4.06#-23.01#-10.78   -25.37#-15.25# -3.55  11.63#-14.34#    0.12 -12.05#  8.05* -6.69  -1.74   2.94   1.07
    1972-73 SE OF DP                        2.11   2.76   2.23   2.93     1.38   1.41     0.55   2.47   5.60     4.00   4.29   1.81   1.67   4.50     5.13   3.41   3.59   4.97   3.63   2.84   1.98

RESPONSE:  09    AGE: 13         TEXT:  I Don't Know.

    1972-73 P-VALUE                0.58     0.29   1.59   0.22   0.38     0.55   0.61     0.37   1.32   1.75     1.19   0.00   0.44   0.31   2.30     1.04   1.45   0.57   0.47   0.00   0.38   0.64
    1972-73 SE OF P-VAL            0.18     0.23   0.56   0.23   0.38     0.27   0.27     0.14   0.58   1.31     1.14   0.00   0.25   0.19   1.07     0.87   0.97   0.57   0.46   0.00   0.27   0.28
    1972-73 DELTA-P                        -0.29   1.01* -0.36  -0.20    -0.03   0.03    -0.21   0.74   1.17     0.61  -0.58# -0.14  -0.27   1.72     0.46   0.87  -0.01  -0.11  -0.58# -0.20   0.06
    1972-73 SE OF DP                        0.25   0.46   0.23   0.33     0.20   0.20     0.13   0.89   1.21     1.06   0.18   0.24   0.19   0.97     0.79   0.90   0.53   0.41   0.18   0.30   0.24

                 AGE: 17

    1972-73 P-VALUE                0.24     0.10   0.45   0.06   0.44     0.21   0.27     0.13   0.69   0.90     0.29   0.86   0.19   0.00   1.23     0.20   0.76   0.00   0.00   0.00   0.16   0.40
    1972-73 SE OF P-VAL            0.09     0.10   0.22   0.06   0.29     0.14   0.10     0.09   0.31   0.66     0.29   0.42   0.19   0.00   0.70     0.22   0.44   0.00   0.00   0.00   0.15   0.23
    1972-73 DELTA-P                        -0.14   0.21  -0.18   0.20    -0.03   0.03    -0.11*  0.45   0.66     0.05   0.62  -0.05  -0.24#  0.99    -0.04   0.52  -0.24# -0.24# -0.24# -0.08   0.16
    1972-73 SE OF DP                        0.11   0.19   0.10   0.23     0.08   0.08     0.05   0.28   0.63     0.28   0.39   0.14   0.09   0.67     0.22   0.43   0.09   0.09   0.09   0.15   0.16

EXERCISE: 203021-23    UB233

Part 2.

RESPONSE:  00    AGE: 13         TEXT:  No Response.

    1972-73 P-VALUE                0.21     0.09   0.41   0.00   0.40     0.20   0.22     0.11   0.60   0.74     0.64   0.00   0.07   0.06   1.20     0.28   1.46   0.00   0.23   0.00   0.00   0.19
    1972-73 SE OF P-VAL            0.08     0.10   0.25   0.00   0.22     0.11   0.12     0.08   0.34   0.36     0.32   0.00   0.07   0.07   0.68     0.27   0.83   0.00   0.23   0.00   0.00   0.15
    1972-73 DELTA-P                        -0.12   0.20  -0.21#  0.19    -0.01   0.01    -0.10   0.39   0.53     0.43  -0.21# -0.14  -0.15   0.99     0.07   1.25  -0.21#  0.02  -0.21# -0.21# -0.02
    1972-73 SE OF DP                        0.11   0.20   0.08   0.18     0.08   0.08     0.05   0.31   0.34     0.30   0.08   0.09   0.09   0.61     0.27   0.78   0.08   0.22   0.08   0.08   0.13

                 AGE: 17

    1972-73 P-VALUE                0.11     0.00   0.50   0.00   0.00     0.04   0.18     0.02   0.17   1.41     0.00   0.00   0.00   0.09   1.33     0.00   0.00   0.00   0.00   0.47   0.16   0.05
    1972-73 SE OF P-VAL            0.07     0.00   0.34   0.00   0.00     0.03   0.14     0.02   0.17   1.38     0.00   0.00   0.00   0.06   1.32     0.00   0.00   0.00   0.00   0.44   0.15   0.05
    1972-73 DELTA-P                        -0.11   0.39  -0.11  -0.11    -0.07   0.07    -0.09   0.06   1.30    -0.11  -0.11  -0.11  -0.02   1.22    -0.11  -0.11  -0.11  -0.11   0.36   0.05  -0.06
    1972-73 SE OF DP                        0.07   0.26   0.07   0.07     0.07   0.07     0.07   0.17   1.32     0.07   0.07   0.07   0.08   1.25     0.07   0.07   0.07   0.07   0.37   0.15   0.08

RESPONSE:  02*   AGE: 13         TEXT:  All Acceptable Responses.

    1972-73 P-VALUE               36.39    39.90  32.88  38.10  34.08    36.84  35.95    39.50  22.64  24.74    15.65  23.58  34.96  48.34  20.98    31.58  23.62  40.72  33.18  41.94  38.55  36.87
    1972-73 SE OF P-VAL            1.25     2.29   2.32   2.54   2.51     1.85   1.61     1.28   2.42   4.38     3.85   3.47   1.59   1.85   2.79     3.49   2.90   3.13   3.68   3.67   3.83   2.25
    1972-73 DELTA-P                         3.51  -3.51   1.71  -2.31     0.45  -0.44     3.11#-13.75#-11.65#  -20.74#-12.81# -1.43  11.95#-15.41#   -4.89 -12.77#  4.33  -3.21   5.55   2.16   0.48
    1972-73 SE OF DP                        2.03   2.13   2.07   2.16     1.21   1.19     0.57   2.30   4.14     3.37   3.43   1.69   1.37   2.63     3.21   3.10   3.12   3.57   3.51   3.46   1.73


*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CITY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
EXERCISE: 203021-23 0B233																						
This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.																						
Part 2.																						
RESPONSE: 02* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	53.02	54.92	46.75	56.66	52.19	54.76	51.25	56.75	31.58	43.88	31.81	37.95	49.97	63.73	38.13	53.28	40.58	64.41	48.78	54.68	54.43	51.51
1972-73 SE OF P-VAL	1.39	2.02	2.24	2.75	3.64	1.97	1.83	1.80	2.98	5.89	4.64	3.54	2.08	2.29	5.38	4.70	3.24	3.67	4.53	3.44	3.48	3.21
1972-73 DELTA-P		1.90	-6.27#	3.64	-0.83	1.74	-1.77	3.73#	-21.44#	-9.14	-21.21#	-15.07#	-3.05	10.71#	-14.89#	0.26	-12.44#	11.39#	-4.24	1.66	1.41	-1.51
1972-73 SE OF DP		1.97	2.13	2.25	3.01	1.29	1.32	0.90	2.79	5.52	4.59	3.70	1.89	1.55	5.40	4.54	3.32	3.44	4.20	3.09	3.23	1.84
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.60	0.29	1.68	0.22	0.39	0.58	0.62	0.37	1.47	1.75	1.19	0.00	0.44	0.31	2.50	1.04	1.45	0.57	0.47	0.00	0.52	0.64
1972-73 SE OF P-VAL	0.18	0.23	0.56	0.23	0.38	0.27	0.27	0.14	0.57	1.31	1.14	0.00	0.25	0.19	1.06	0.87	0.97	0.57	0.46	0.00	0.26	0.28
1972-73 DELTA-P		-0.31	1.08*	-0.38	-0.21	-0.02	0.02	-0.23	0.87	1.15	0.59	-0.60#	-0.16	-0.29	1.90	0.44	0.85	-0.03	-0.13	-0.60#	-0.08	0.04
1972-73 SE OF DP		0.25	0.46	0.23	0.33	0.20	0.20	0.13	0.49	1.21	1.06	0.18	0.24	0.19	0.97	0.79	0.90	0.53	0.41	0.18	0.29	0.24
AGE: 17																						
1972-73 P-VALUE	0.24	0.10	0.45	0.06	0.44	0.21	0.27	0.13	0.69	0.90	0.29	0.86	0.19	0.00	1.23	0.20	0.76	0.00	0.00	0.00	0.16	0.40
1972-73 SE OF P-VAL	0.09	0.10	0.22	0.06	0.29	0.14	0.10	0.09	0.31	0.66	0.29	0.42	0.19	0.00	0.70	0.22	0.44	0.00	0.00	0.00	0.15	0.23
1972-73 DELTA-P		-0.14	0.21	-0.18	0.20	-0.03	0.03	-0.11*	0.45	0.66	0.05	0.62	-0.05	-0.24#	0.99	-0.04	0.52	-0.24#	-0.24#	-0.24#	-0.08	0.16
1972-73 SE OF DP		0.11	0.19	0.10	0.23	0.08	0.08	0.05	0.28	0.63	0.28	0.39	0.14	0.09	0.67	0.22	0.43	0.09	0.09	0.09	0.15	0.16
EXERCISE: 203021-23 0B233																						
Part 3.																						
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.19	0.10	0.30	0.00	0.41	0.20	0.18	0.11	0.38	0.74	0.65	0.00	0.07	0.00	1.20	0.28	1.47	0.00	0.00	0.00	0.00	0.20
1972-73 SE OF P-VAL	0.08	0.10	0.22	0.00	0.22	0.11	0.11	0.08	0.27	0.36	0.32	0.00	0.07	0.00	0.68	0.27	0.83	0.00	0.00	0.00	0.00	0.15
1972-73 DELTA-P		-0.09	0.11	-0.19*	0.22	0.01	-0.01	-0.08*	0.19	0.55	0.46	-0.19*	-0.12	-0.19*	1.01	0.09	1.28	-0.19*	-0.19*	-0.19*	-0.19*	0.01
1972-73 SE OF DP		0.10	0.18	0.08	0.17	0.08	0.08	0.04	0.25	0.34	0.30	0.08	0.09	0.08	0.61	0.26	0.78	0.08	0.08	0.08	0.08	0.12
AGE: 17																						
1972-73 P-VALUE	0.11	0.00	0.50	0.00	0.00	0.04	0.18	0.02	0.17	1.41	0.00	0.00	0.00	0.09	1.33	0.00	0.00	0.00	0.00	0.47	0.16	0.05
1972-73 SE OF P-VAL	0.07	0.00	0.34	0.00	0.00	0.03	0.14	0.02	0.17	1.38	0.00	0.00	0.00	0.06	1.32	0.00	0.00	0.00	0.00	0.44	0.15	0.05
1972-73 DELTA-P		-0.11	0.39	-0.11	-0.11	-0.07	0.07	-0.09	0.06	1.30	-0.11	-0.11	-0.11	-0.02	1.22	-0.11	-0.11	-0.11	-0.11	0.36	0.05	-0.06
1972-73 SE OF DP		0.07	0.26	0.07	0.07	0.07	0.07	0.07	0.17	1.32	0.07	0.07	0.07	0.08	1.25	0.07	0.07	0.07	0.07	0.37	0.15	0.08
RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	49.09	56.39	41.52	52.10	45.16	50.27	47.93	53.10	30.42	35.80	32.41	36.32	44.81	62.79	32.81	42.86	36.66	55.20	40.61	58.71	51.12	49.50
1972-73 SE OF P-VAL	1.65	2.97	3.64	3.12	3.08	2.22	1.93	1.80	2.97	5.27	4.94	3.65	1.85	1.92	3.89	4.51	3.94	3.05	3.78	3.52	3.16	3.28
1972-73 DELTA-P		7.30#	-7.57*	3.01	-3.93	1.18	-1.16	4.01#	-18.67#	-13.29#	-16.68#	-12.77#	-4.28#	13.70#	-16.28#	-6.23	-12.43#	6.11	-8.48*	9.62#	2.03	0.41
1972-73 SE OF DP		2.64	3.16	2.61	2.73	1.27	1.24	0.79	2.90	5.00	4.00	3.17	1.61	1.48	3.67	3.97	3.86	3.16	3.68	3.66	3.03	2.22
AGE: 17																						
1972-73 P-VALUE	63.64	66.66	53.82	67.05	65.10	64.66	62.60	66.98	42.64	59.99	52.28	45.31	60.74	73.36	51.44	63.37	53.50	76.46	64.36	66.73	65.79	59.16
1972-73 SE OF P-VAL	1.33	2.74	2.53	2.43	2.84	1.85	1.89	1.39	3.69	5.21	4.67	3.65	2.48	1.76	5.38	5.46	4.88	2.69	4.67	3.95	3.31	1.89
1972-73 DELTA-P		3.02	-9.82#	3.41	1.46	1.02	-1.04	3.34#	-21.00#	-3.65	-11.36#	-18.33#	-2.90	9.72#	-12.20*	-0.27	-10.14*	12.82#	0.72	3.09	2.15	-4.48#
1972-73 SE OF DP		2.32	2.32	2.06	2.47	1.30	1.32	0.57	3.40	4.90	4.43	3.81	1.99	1.31	5.25	5.14	4.93	2.57	4.67	3.57	3.08	1.64
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.58	0.29	1.59	0.22	0.38	0.55	0.61	0.37	1.32	1.75	1.19	0.00	0.44	0.31	2.30	1.04	1.45	0.57	0.47	0.00	0.38	0.64
1972-73 SE OF P-VAL	0.18	0.23	0.56	0.23	0.38	0.27	0.27	0.14	0.58	1.31	1.14	0.00	0.25	0.19	1.07	0.87	0.97	0.57	0.46	0.00	0.27	0.28
1972-73 DELTA-P		-0.29	1.01*	-0.36	-0.20	-0.03	0.03	-0.21	0.74	1.17	0.61	-0.58#	-0.14	-0.27	1.72	0.46	0.87	-0.01	-0.11	-0.58#	-0.20	0.06
1972-73 SE OF DP		0.25	0.46	0.23	0.33	0.20	0.20	0.13	0.49	1.21	1.06	0.18	0.24	0.19	0.97	0.79	0.90	0.53	0.41	0.18	0.30	0.24
AGE: 17																						
1972-73 P-VALUE	0.24	0.10	0.45	0.06	0.44	0.21	0.27	0.13	0.69	0.90	0.29	0.86	0.19	0.00	1.23	0.20	0.76	0.00	0.00	0.00	0.16	0.40
1972-73 SE OF P-VAL	0.09	0.10	0.22	0.06	0.29	0.14	0.10	0.09	0.31	0.66	0.29	0.42	0.19	0.00	0.70	0.22	0.44	0.00	0.00	0.00	0.15	0.23
1972-73 DELTA-P		-0.14	0.21	-0.18	0.20	-0.03	0.03	-0.11*	0.45	0.66	0.05	0.62	-0.05	-0.24#	0.99	-0.04	0.52	-0.24#	-0.24#	-0.24#	-0.08	0.16
1972-73 SE OF DP		0.11	0.19	0.10	0.23	0.08	0.08	0.05	0.28	0.63	0.28	0.39	0.14	0.09	0.67	0.22	0.43	0.09	0.09	0.09	0.15	0.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

919

918

EXERCISE: 203021-23 UB233

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 4.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.19	0.10	0.30	0.00	0.41	0.20	0.18	0.11	0.38	0.74	0.65	0.00	0.07	0.00	1.20	0.28	1.47	0.00	0.00	0.00	0.00	0.20
1972-73 SE OF P-VAL	0.08	0.10	0.22	0.00	0.22	0.11	0.11	0.08	0.27	0.36	0.32	0.00	0.07	0.00	0.60	0.27	0.83	0.00	0.00	0.00	0.00	0.15
1972-73 DELTA-P		-0.09	0.11	-0.19*	0.22	0.01	-0.01	-0.08*	0.19	0.55	0.46	-0.19*	-0.12	-0.19*	1.01	0.09	1.28	-0.19*	-0.19*	-0.19*	-0.19*	0.01
1972-73 SE OF DP		0.10	0.10	0.08	0.17	0.08	0.08	0.04	0.25	0.34	0.30	0.08	0.09	0.08	0.61	0.26	0.78	0.08	0.08	0.08	0.08	0.12
AGE: 17																						
1972-73 P-VALUE	0.11	0.00	0.50	0.00	0.00	0.04	0.18	0.02	0.17	1.41	0.00	0.00	0.00	0.09	1.33	0.00	0.00	0.00	0.00	0.47	0.16	0.05
1972-73 SE OF P-VAL	0.07	0.00	0.34	0.00	0.00	0.03	0.14	0.02	0.17	1.38	0.00	0.00	0.00	0.06	1.32	0.00	0.00	0.00	0.00	0.44	0.15	0.05
1972-73 DELTA-P		-0.11	0.39	-0.11	-0.11	-0.07	0.07	-0.09	0.06	1.30	-0.11	-0.11	-0.11	-0.02	1.22	-0.11	-0.11	-0.11	-0.11	0.36	0.05	-0.06
1972-73 SE OF DP		0.07	0.26	0.07	0.07	0.07	0.07	0.07	0.17	1.32	0.07	0.07	0.07	0.08	1.25	0.07	0.07	0.07	0.07	0.37	0.15	0.08
RESPONSE: 04* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	62.54	68.40	56.34	65.86	58.43	60.82	64.24	67.71	39.52	43.61	45.50	50.13	58.52	75.55	48.26	55.29	52.00	71.92	54.05	71.24	62.45	63.05
1972-73 SE OF P-VAL	1.60	2.86	3.23	2.80	3.94	2.08	2.08	1.49	2.89	7.23	4.34	4.91	1.70	2.01	4.12	5.08	4.45	2.90	4.26	3.19	3.05	3.00
1972-73 DELTA-P		5.86*	-6.20*	3.32	-4.11	-1.72	1.70	5.17#	-23.02#	-18.93#	-17.04#	-12.41#	-4.02#	13.01#	-14.28#	-7.25	-10.54#	9.38#	-8.49*	8.70#	-0.09	0.51
1972-73 SE OF DP		2.61	2.92	2.45	3.22	1.24	1.24	0.91	2.52	6.57	4.08	4.28	1.42	1.21	3.93	4.54	4.21	3.13	3.97	3.13	3.55	2.28
AGE: 17																						
1972-73 P-VALUE	77.51	80.58	69.41	80.27	78.10	77.12	77.91	80.62	59.12	71.16	66.14	60.67	77.05	85.69	60.14	72.34	69.64	82.48	75.92	80.52	78.89	77.40
1972-73 SE OF P-VAL	0.97	2.11	1.95	1.10	2.13	1.68	1.23	0.96	3.39	4.56	4.77	3.33	1.90	1.39	4.61	3.76	3.99	3.16	2.96	2.47	2.39	1.92
1972-73 DELTA-P		3.07	-8.10#	2.76*	0.59	-0.39	0.40	3.11#	-18.39#	-6.35	-11.37#	-16.84#	-0.46	8.18#	-17.37#	-5.17	-7.87	4.97	-1.59	3.01	1.38	-0.11
1972-73 SE OF DP		1.71	1.71	1.20	1.84	1.10	1.12	0.87	3.15	4.43	4.49	3.55	1.68	0.95	4.45	3.57	4.04	2.92	2.90	2.40	2.39	1.43
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.68	0.30	1.60	0.54	0.39	0.74	0.62	0.52	1.10	1.76	1.20	0.00	0.45	0.32	3.28	1.05	1.46	0.58	0.47	0.00	0.39	0.93
1972-73 SE OF P-VAL	0.20	0.23	0.56	0.39	0.38	0.32	0.27	0.19	0.43	1.31	1.14	0.00	0.25	0.19	1.44	0.87	0.97	0.57	0.46	0.00	0.27	0.41
1972-73 DELTA-P		-0.38	0.92	-0.14	-0.29	0.06	-0.06	-0.16	0.42	1.08	0.52	-0.68#	-0.23	-0.36	2.60	0.37	0.78	-0.10	-0.21	-0.68#	-0.29	0.25
1972-73 SE OF DP		0.26	0.47	0.32	0.34	0.22	0.22	0.12	0.30	1.21	1.06	0.20	0.26	0.21	1.31	0.80	0.96	0.54	0.42	0.20	0.31	0.32
AGE: 17																						
1972-73 P-VALUE	0.24	0.10	0.45	0.06	0.44	0.21	0.27	0.13	0.69	0.90	0.29	0.86	0.19	0.00	1.23	0.20	0.76	0.00	0.00	0.00	0.16	0.40
1972-73 SE OF P-VAL	0.09	0.10	0.22	0.06	0.29	0.14	0.10	0.09	0.31	0.66	0.29	0.42	0.19	0.00	0.70	0.22	0.44	0.00	0.00	0.00	0.15	0.23
1972-73 DELTA-P		-0.14	0.21	-0.18	0.20	-0.03	0.03	-0.11*	0.45	0.66	0.05	0.62	-0.05	-0.24#	0.99	-0.04	0.52	-0.24#	-0.24#	-0.24#	-0.08	0.16
1972-73 SE OF DP		0.11	0.19	0.10	0.23	0.08	0.08	0.05	0.28	0.63	0.28	0.39	0.14	0.09	0.67	0.22	0.43	0.09	0.09	0.09	0.15	0.16

EXERCISE: 203021-23 UB233

Part 5.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.21	0.09	0.41	0.00	0.40	0.20	0.22	0.11	0.60	0.74	0.64	0.29	0.07	0.00	1.20	0.28	1.46	0.00	0.23	0.00	0.00	0.19
1972-73 SE OF P-VAL	0.08	0.10	0.25	0.00	0.22	0.11	0.12	0.08	0.34	0.36	0.32	0.29	0.07	0.00	0.60	0.27	0.83	0.00	0.23	0.00	0.00	0.15
1972-73 DELTA-P		-0.12	0.20	-0.21#	0.19	-0.01	0.01	-0.10	0.39	0.53	0.43	0.08	-0.14	-0.21#	0.99	0.07	1.25	-0.21#	0.02	-0.21#	-0.21#	-0.02
1972-73 SE OF DP		0.11	0.20	0.08	0.18	0.08	0.08	0.05	0.31	0.34	0.30	0.28	0.09	0.08	0.61	0.27	0.78	0.08	0.22	0.08	0.08	0.13
AGE: 17																						
1972-73 P-VALUE	0.09	0.00	0.40	0.00	0.00	0.04	0.14	0.02	0.00	1.41	0.00	0.00	0.00	0.04	1.33	0.00	0.00	0.00	0.00	0.48	0.00	0.05
1972-73 SE OF P-VAL	0.07	0.00	0.32	0.00	0.00	0.03	0.14	0.02	0.00	[illegible]	0.00	0.00	0.00	0.04	1.32	0.00	0.00	0.00	0.00	0.44	0.00	0.05
1972-73 DELTA-P		-0.09	0.31	-0.09	-0.09	-0.05	0.05	-0.07	-0.09	[illegible]	-0.09	-0.09	-0.09	-0.05	1.24	-0.09	-0.09	-0.09	-0.09	0.39	-0.09	-0.04
1972-73 SE OF DP		0.07	0.25	0.07	0.07	0.07	0.07	0.07	0.07	[illegible]	0.07	0.07	0.07	0.07	1.25	0.07	0.07	0.07	0.07	0.37	0.07	0.08
RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	49.20	50.32	48.01	51.14	46.89	51.60	46.83	52.95	32.27	35.80	39.94	39.58	46.73	57.49	40.08	48.64	44.49	45.55	39.56	54.55	51.15	51.96
1972-73 SE OF P-VAL	1.41	2.64	2.80	2.62	3.10	2.00	1.75	1.38	2.78	5.25	4.02	3.88	2.18	2.07	3.85	4.21	5.09	3.79	2.56	4.31	4.11	2.58
1972-73 DELTA-P		1.12	-1.19	1.94	-2.31	2.40	-2.37	3.75#	-16.93#	-13.40#	-9.26*	-9.62#	-2.47	8.29#	-9.12*	-0.56	-4.71	-3.65	-9.64#	5.35	1.95	2.76
1972-73 SE OF DP		2.36	2.52	2.20	2.60	1.24	1.23	0.69	2.57	4.81	3.92	3.37	1.71	1.55	3.86	3.88	4.92	3.82	2.69	4.01	3.76	1.97

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                              NATION |            REGION              |     SEX        |        RACE           |           PARENTAL EDUCATION               |           SIZE-AND-TYPE OF COMMUNITY
                                     | NORTH  SOUTH                   |                |                 OTHER |         SOME    GRAD    POST               |EXTREME  LOW     HIGH   MAIN  URBAN  MEDIUM SMALL
                              _______|_EAST___EAST_CENTRAL___WEST___|_MALE___FEMALE_|_WHITE__BLACK___RACE__|_NO HS___HS______HS______HS__UNKNOWN_|_RURAL__METRO___METRO BIG CTY FRINGE  CITY  PLACES

EXERCISE: 203021-23   08233

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIC.

Part 5.

RESPONSE:  05*   AGE: 17        TEXT:  All Acceptable Responses.

     1972-73 P-VALUE          57.13   57.44  52.34  59.37  58.49    61.94  52.25    60.74  37.75  44.95    47.51  50.57  56.27  63.57  32.86    56.86  45.30  56.71  52.57  58.53  60.10  59.53
     1972-73 SE OF P-VAL       1.45    2.01   1.97   3.50   3.43     1.78   1.95     1.62   3.83   4.68     4.35   3.37   2.47   2.41   4.11     4.47   4.69   4.23   4.33   3.51   5.22   2.07
     1972-73 DELTA-P                   0.31  -4.79*  2.24   1.36     4.81# -4.88#    3.61#-19.38#-12.18#  -9.62* -6.56  -0.86   6.44#-24.27#   -0.27 -11.83# -0.42  -4.56   1.40   2.97   2.40
     1972-73 SE OF DP                  1.99   2.11   2.71   2.89     1.19   1.23     0.55   3.88   4.64     4.29   3.51   1.98   1.61   4.20     4.37   4.67   3.94   4.2[illegible] 3.23 4.54 1.75

RESPONSE:  09    AGE: 13        TEXT:  I Don't Know.

     1972-73 P-VALUE           0.70    0.29   1.72   0.54   0.39     0.73   0.67     0.51   1.32   1.76     1.19   0.00   0.45   0.31   3.57     1.04   1.45   0.57   0.70   0.00   0.39   0.92
     1972-73 SE OF P-VAL       0.21    0.23   0.65   0.39   0.38     0.32   0.29     0.19   0.58   1.31     1.14   0.00   0.25   0.19   1.62     0.87   0.97   0.57   0.69   0.00   0.27   0.41
     1972-73 DELTA-P                  -0.41   1.02  -0.16  -0.31     0.03  -0.03    -0.19   0.62   1.06     0.49  -0.70# -0.25  -0.39   2.87     0.34   0.75  -0.13   0.00  -0.70# -0.31   0.22
     1972-73 SE OF DP                  0.27   0.53   0.33   0.35     0.23   0.22     0.13   0.48   1.22     1.07   0.21   0.27   0.22   1.48     0.81   0.89   0.54   0.61   0.21   0.52   0.33

                 AGE: 17

     1972-73 P-VALUE           0.24    0.10   0.45   0.06   0.44     0.21   0.27     0.13   0.69   0.90     0.29   0.86   0.19   0.00   1.23     0.20   0.76   0.00   0.00   0.00   0.16   0.40
     1972-73 SE OF P-VAL       0.09    0.10   0.22   0.06   0.29     0.14   0.10     0.09   0.31   0.66     0.29   0.42   0.19   0.00   0.70     0.22   0.44   0.00   0.00   0.00   0.15   0.23
     1972-73 DELTA-P                  -0.14   0.21  -0.18   0.20    -0.03   0.03    -0.11*  0.45   0.66     0.05   0.62  -0.05  -0.24#  0.99    -0.04   0.52  -0.24# -0.24# -0.24# -0.08   0.16
     1972-73 SE OF DP                  0.11   0.19   0.10   0.23     0.08   0.08     0.05   0.28   0.63     0.28   0.39   0.14   0.09   0.67     0.22   0.43   0.09   0.09   0.09   0.15   0.16

EXERCISE: 203021-23   08233

Part 6.

RESPONSE:  00    AGE: 13        TEXT:  No Response.

     1972-73 P-VALUE           0.19    0.10   0.30   0.00   0.41     0.20   0.18     0.11   0.30   0.74     0.65   0.00   0.07   0.00   1.20     0.28   1.47   0.00   0.00   0.00   0.00   0.20
     1972-73 SE OF P-VAL       0.08    0.10   0.22   0.00   0.22     0.11   0.11     0.08   0.27   0.36     0.32   0.00   0.07   0.00   0.68     0.27   0.83   0.00   0.00   0.00   0.00   0.15
     1972-73 DELTA-P                  -0.09   0.11  -0.19*  0.22     0.01  -0.01    -0.08*  0.19   0.55     0.46  -0.19* -0.12  -0.19*  1.01     0.09   1.28  -0.19* -0.19* -0.19* -0.19*  0.01
     1972-73 SE OF DP                  0.10   0.18   0.08   0.17     0.08   0.08     0.04   0.25   0.34     0.30   0.08   0.09   0.08   0.61     0.26   0.78   0.08   0.08   0.08   0.08   0.12

                 AGE: 17

     1972-73 P-VALUE           0.09    0.00   0.40   0.00   0.00     0.04   0.14     0.02   0.00   1.41     0.00   0.00   0.00   0.04   1.33     0.00   0.00   0.00   0.00   0.48   0.00   0.05
     1972-73 SE OF P-VAL       0.07    0.00   0.32   0.00   0.00     0.03   0.14     0.02   0.00   1.38     0.00   0.00   0.00   0.04   1.32     0.00   0.00   0.00   0.00   0.44   0.00   0.05
     1972-73 DELTA-P                  -0.09   0.31  -0.09  -0.09    -0.05   0.05    -0.07  -0.09   1.32    -0.09  -0.09  -0.09  -0.05   1.24    -0.09  -0.09  -0.09  -0.09   0.39  -0.09  -0.04
     1972-73 SE OF DP                  0.07   0.25   0.07   0.07     0.07   0.07     0.07   0.07   1.32     0.07   0.07   0.07   0.07   1.25     0.07   0.07   0.07   0.07   0.37   0.07   0.08

RESPONSE:  06*   AGE: 13        TEXT:  All Acceptable Responses.

     1972-73 P-VALUE          49.36   48.46  48.37  51.46  48.67    52.09  46.66    53.37  28.50  39.93    42.84  44.23  46.19  57.02  41.60    50.78  42.73  46.94  41.65  53.62  51.35  51.16
     1972-73 SE OF P-VAL       1.42    2.48   2.71   2.62   3.36     1.92   1.82     1.35   2.32   5.67     5.49   3.84   2.19   1.98   3.91     3.97   6.86   3.63   2.73   4.67   4.12   2.43
     1972-73 DELTA-P                  -0.90  -0.99   2.10  -0.69     2.73* -2.70*    4.01#-20.86# -9.43    -6.52  -5.13* -3.17   7.66# -7.76*    1.42  -6.63  -2.42  -7.71#  4.26   1.99   1.80
     1972-73 SE OF DP                  2.27   2.47   2.20   2.77     1.22   1.21     0.66   2.13   5.11     5.35   3.49   1.71   1.51   3.70     3.71   6.56   3.65   2.90   4.25   3.78   1.91

                 AGE: 17

     1972-73 P-VALUE          55.56   54.60  50.82  58.08  58.00    60.21  50.83    58.83  37.59  45.54    44.91  49.32  53.73  62.70  31.91    57.82  45.96  54.98  51.37  56.30  59.42  56.73
     1972-73 SE OF P-VAL       1.44    1.74   3.15   3.01   3.38     1.85   1.98     1.53   3.36   5.08     4.22   3.68   2.34   2.27   3.93     4.33   4.51   4.21   4.50   3.72   4.47   2.32
     1972-73 DELTA-P                  -0.96  -4.74   2.52   2.44     4.65# -4.73#    3.27#-17.97#-10.02* -10.65# -6.24  -1.83   7.14#-23.65#    2.26  -9.60* -0.58  -4.19   0.74   3.86   1.17
     1972-73 SE OF DP                  1.86   2.78   2.43   2.82     1.30   1.28     0.57   3.12   4.90     3.98   3.46   2.09   1.50   3.94     4.20   4.37   4.03   4.37   3.30   4.05   1.91

RESPONSE:  09    AGE: 13        TEXT:  I Don't Know.

     1972-73 P-VALUE           0.65    0.29   1.47   0.54   0.39     0.73   0.57     0.48   1.10   1.76     1.19   0.00   0.45   0.31   2.98     1.05   1.46   0.58   0.24   0.00   0.39   0.92
     1972-73 SE OF P-VAL       0.19    0.23   0.49   0.39   0.38     0.32   0.25     0.18   0.43   1.31     1.14   0.00   0.25   0.19   1.30     0.87   0.97   0.57   0.23   0.00   0.27   0.41
     1972-73 DELTA-P                  -0.36   0.82  -0.11  -0.26     0.08  -0.08    -0.17   0.45   1.11     0.54  -0.65# -0.20  -0.34   2.33     0.40   0.81  -0.07  -0.41  -0.65# -0.26   0.27
     1972-73 SE OF DP                  0.25   0.42   0.31   0.33     0.22   0.21     0.12   0.39   1.21     1.06   0.19   0.25   0.20   1.18     0.80   0.91   0.53   0.25   0.19   0.31   0.32

                 AGE: 17

     1972-73 P-VALUE           0.29    0.09   0.45   0.24   0.44     0.21   0.37     0.19   0.69   0.90     0.29   0.86   0.35   0.00   1.22     0.81   0.76   0.00   0.00   0.00   0.16   0.40
     1972-73 SE OF P-VAL       0.10    0.10   0.22   0.19   0.29     0.14   0.14     0.11   0.31   0.66     0.29   0.42   0.25   0.00   0.70     0.63   0.44   0.00   0.00   0.00   0.15   0.23
     1972-73 DELTA-P                  -0.20   0.16  -0.05   0.15    -0.08   0.08    -0.10   0.40   0.61     0.00   0.57   0.06  -0.29#  0.93     0.52   0.47  -0.29# -0.29# -0.29# -0.13   0.11
     1972-73 SE OF DP                  0.12   0.20   0.16   0.24     0.10   0.10     0.05   0.29   0.64     0.29   0.39   0.18   0.10   0.67     0.59   0.43   0.10   0.10   0.10   0.16   0.16
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204007-12

72-73 Report #: UP237

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Physical science

Exercise Type: Apparatus needed
Scoring Type: Professional
Administration Mode: Individual

Age:	9	13
72-73 Package-Exercise:	08-02	12-05
72-73 National P-val:		
UP237	22.43	36.56

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 204007-12 UP237

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.69	1.15	2.27	1.42	1.98	2.07	1.29	1.23	2.82	4.68	2.41	[illegible]	1.90	0.66	3.12	0.70	5.08	0.00	0.53	1.52	1.21	2.40
1972-73 SE OF P-VAL	0.33	0.65	0.77	0.57	0.64	0.49	0.38	0.36	0.98	2.06	1.62	0.70	0.66	0.27	0.77	0.54	1.60	0.00	0.41	1.15	0.60	0.69
1972-73 DELTA-P		-0.54	0.58	-0.27	0.29	0.38	-0.40	-0.46*	1.13	2.99	0.72	-0.94	0.21	-1.03#	1.43*	-0.99	3.39*	-1.69#	-1.16#	-0.17	-0.48	0.71
1972-73 SE OF DP		0.56	0.65	0.51	0.56	0.29	0.30	0.22	0.88	1.98	1.55	0.77	0.54	0.29	0.59	0.53	1.52	0.33	0.44	1.01	0.65	0.54
AGE: 13																						
1972-73 P-VALUE	0.66	0.53	0.64	0.12	1.45	0.53	0.78	0.23	1.18	4.97	2.64	1.64	0.07	0.43	1.07	2.59	1.40	0.00	0.71	0.00	0.96	0.31
1972-73 SE OF P-VAL	0.33	0.32	0.35	0.12	1.27	0.25	0.46	0.12	0.56	4.36	2.32	1.38	0.07	0.23	0.60	2.10	0.83	0.00	0.49	0.00	0.55	0.31
1972-73 DELTA-P		-0.13	-0.02	-0.54	0.79	-0.13	0.12	-0.43	0.52	4.31	1.98	0.98	-0.59	-0.23	0.41	1.93	0.74	-0.66*	0.05	-0.66*	0.30	-0.35#
1972-73 SE OF DP		0.40	0.42	0.34	0.96	0.18	0.17	[illegible]	0.58	4.06	2.02	1.06	0.33	0.35	0.70	1.79	[illegible]	0.33	0.54	0.33	0.58	0.12
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	22.43	22.84	19.32	27.29	19.59	28.18	16.46	24.03	13.72	22.20	15.04	15.84	21.76	25.52	20.94	16.58	16.49	24.80	25.93	24.17	20.07	23.75
1972-73 SE OF P-VAL	1.36	2.80	3.00	2.26	2.70	1.73	1.39	1.38	2.48	5.39	3.20	3.73	2.50	1.59	2.40	3.22	3.79	3.36	4.38	2.98	2.49	2.35
1972-73 DELTA-P		0.41	-3.11	4.86*	-2.84	5.75#	-5.97#	1.60#	-8.71#	-0.23	-7.39*	-6.59	-0.67	3.09*	-1.49	-5.85	-5.94	2.37	3.50	1.74	-2.36	1.32
1972-73 SE OF DP		2.39	2.56	2.03	2.36	0.83	0.88	0.57	2.26	4.83	3.35	3.48	1.71	1.35	1.04	3.16	3.38	3.13	3.95	2.02	2.36	1.78
AGE: 13																						
1972-73 P-VALUE	36.56	36.21	29.67	39.37	40.05	44.84	28.57	38.96	24.11	30.21	26.73	30.37	37.94	40.06	31.66	38.82	30.63	39.73	34.97	38.16	39.06	34.84
1972-73 SE OF P-VAL	1.52	3.23	2.34	2.92	3.33	2.08	1.82	1.62	3.17	5.10	5.04	3.84	2.16	2.14	4.19	4.57	5.16	4.53	3.67	3.96	4.16	2.09
1972-73 DELTA-P		-0.35	-6.89#	2.81	3.49	8.28#	-7.99#	2.40#	-12.45#	-6.35	-9.83*	-6.19	1.38	3.50*	-4.90	2.26	-5.93	3.17	-1.59	1.60	2.50	-1.72
1972-73 SE OF DP		2.76	2.31	2.43	2.81	1.29	1.21	0.66	2.93	4.85	4.80	3.43	1.48	1.61	3.90	4.27	4.93	4.32	3.31	3.56	3.63	1.72
RESPONSE: 39 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.81	2.94	5.56	2.05	4.98	3.32	4.32	3.49	4.45	6.19	6.40	0.43	3.86	3.17	4.97	4.37	6.15	3.62	3.82	2.22	3.12	4.11
1972-73 SE OF P-VAL	0.56	0.65	1.52	0.57	1.49	0.61	0.79	0.59	1.95	2.17	3.96	0.44	0.80	0.62	1.16	2.04	1.65	1.26	1.41	0.85	1.66	0.96
1972-73 DELTA-P		-0.87	1.75	-1.76#	1.17	-0.49	0.51	-0.32	0.64	2.38	2.59	-3.38#	0.05	-0.64	1.16	0.56	2.34	-0.19	0.01	-1.59	-0.69	0.30
1972-73 SE OF DP		0.72	1.23	0.68	1.21	0.42	0.44	0.24	1.02	2.01	3.74	0.85	0.76	0.52	1.04	1.82	1.50	1.17	1.25	0.89	0.96	0.68
AGE: 13																						
1972-73 P-VALUE	1.40	0.59	2.26	0.61	2.34	1.07	1.72	1.23	2.55	1.35	2.00	2.18	1.11	0.97	2.84	0.82	2.07	0.83	0.00	1.96	2.61	1.38
1972-73 SE OF P-VAL	0.30	0.37	0.99	0.26	0.68	0.37	0.46	0.30	1.21	0.60	1.16	1.27	0.46	0.39	1.13	0.63	1.14	0.60	0.00	0.98	1.30	0.69
1972-73 DELTA-P		-0.81*	0.86	-0.79*	0.94	-0.33	0.32	-0.17	1.15	-0.05	0.60	0.78	-0.29	-0.43	1.44	-0.58	0.67	-0.57	-1.40#	0.56	1.21	-0.02
1972-73 SE OF DP		0.40	0.79	0.35	0.57	0.29	0.28	0.16	1.06	0.63	1.10	1.22	0.33	0.32	1.66	0.65	1.68	0.63	0.30	0.91	1.13	0.39

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204015-23

72-73 Report #: UB238

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Biological science

Exercise Type: Apparatus needed
Scoring Type: Professional
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	07-22	07-17
72-73 National P-val:		
UB238	17.55	43.34
Timing: (in seconds)		
Stimulus:	21	19
Response:	159	159
UB238 Exercise total:	180	178

EXERCISE: 204015-23 UB238

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	23.41	23.28	26.31	20.45	24.16	23.84	22.98	19.86	38.15	36.65	33.56	28.60	22.85	17.69	33.27	28.36	39.29	5.75	31.15	24.79	20.88	22.65
1972-73 SE OF P-VAL	1.82	3.85	3.35	3.39	3.95	2.06	1.96	1.86	4.17	4.82	4.32	3.54	2.09	2.18	2.75	8.07	4.90	1.93	5.57	5.53	2.96	2.10
1972-73 DELTA-P		-0.13	2.90	-2.96	0.75	0.43	-0.43	-3.55#	14.74#	13.24#	10.15#	5.19	-0.56	-5.72#	9.86#	4.95	15.88#	-17.66#	7.74	1.38	-2.53	-0.76
1972-73 SE OF DP		3.25	3.08	2.93	3.37	0.87	0.85	0.75	3.82	4.63	3.37	2.85	1.18	1.12	2.59	7.29	4.82	2.61	4.98	5.09	2.84	1.91
AGE: 17																						
1972-73 P-VALUE	9.64	10.83	12.75	6.26	9.38	9.40	9.85	7.26	21.47	20.05	18.07	12.00	10.48	5.18	25.96	9.71	19.03	5.75	15.89	6.95	7.95	8.83
1972-73 SE OF P-VAL	0.89	1.78	1.74	1.08	2.27	1.22	1.21	0.87	2.98	3.69	3.04	2.56	1.39	0.79	4.78	3.06	2.64	1.91	4.13	1.83	2.06	1.70
1972-73 DELTA-P		1.19	3.11	-3.38#	-0.26	-0.24	0.21	-2.38#	11.83#	10.41#	8.43#	2.36	0.84	-4.46#	16.32#	0.07	9.39#	-3.89*	6.25	-2.69	-1.69	-0.81
1972-73 SE OF DP		1.46	1.62	1.15	1.84	0.88	0.78	0.58	2.66	3.44	2.78	2.32	1.06	0.88	4.39	2.87	2.61	1.88	3.84	1.90	1.91	1.42
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	17.55	22.01	11.61	19.65	16.04	18.21	16.90	20.44	4.10	10.50	8.15	9.91	15.73	25.33	8.10	17.84	5.14	26.83	10.84	25.57	18.78	14.72
1972-73 SE OF P-VAL	1.41	3.84	2.25	2.84	1.95	1.54	1.71	1.61	1.97	2.88	2.31	2.74	2.10	2.16	1.87	4.81	2.79	4.92	3.30	3.99	2.85	2.36
1972-73 DELTA-P		4.46	-5.94#	2.10	-1.51	0.66	-0.65	2.89#	-13.45#	-7.05*	-9.40#	-7.64#	-1.82	7.78#	-9.45#	0.29	-12.41#	9.28*	-6.71*	8.02*	1.23	-2.83
1972-73 SE OF DP		3.12	2.14	2.37	1.99	0.82	0.81	0.54	2.10	2.87	2.69	2.69	1.49	1.20	1.91	4.54	2.00	4.57	3.23	3.62	2.78	2.04
AGE: 17																						
1972-73 P-VALUE	43.36	46.33	34.09	49.68	40.88	46.55	40.49	49.38	11.13	23.02	25.92	30.16	40.56	52.90	24.76	30.51	27.42	62.60	37.38	43.28	46.98	44.90
1972-73 SE OF P-VAL	1.85	2.38	3.71	4.99	3.15	2.45	2.37	1.77	2.29	5.59	3.89	3.15	2.70	2.23	5.12	4.95	5.17	5.20	4.50	3.04	4.28	2.83
1972-73 DELTA-P		2.99	-9.25#	6.34	-2.46	3.21	-2.85	6.00#	-32.21#	-20.32#	-17.42#	-13.18#	-2.78	9.56#	-18.60#	-12.83#	-15.92#	19.26#	-5.96	-0.06	3.64	1.56
1972-73 SE OF DP		2.43	3.45	3.87	2.88	1.62	1.44	0.91	2.20	5.31	3.39	2.89	1.95	1.39	4.85	4.41	4.[illegible]1	4.72	4.35	2.81	4.26	2.55
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	15.12	13.42	19.08	11.97	16.76	12.89	17.31	13.92	19.52	21.13	17.53	17.65	19.32	9.96	18.01	13.95	23.65	11.87	17.19	11.34	14.57	16.09
1972-73 SE OF P-VAL	1.62	2.69	4.06	2.14	3.41	1.64	1.99	1.72	3.38	3.77	4.84	3.43	2.09	1.48	3.08	4.72	7.43	3.77	4.57	3.41	3.20	2.87
1972-73 DELTA-P		-1.70	3.96	-3.15	1.64	-2.23#	2.19#	-1.20*	4.40	6.01	2.41	2.53	4.20#	-5.16#	2.89	-1.17	8.57	-3.25	2.07	-3.78	-0.55	0.97
1972-73 SE OF DP		2.49	3.64	2.14	2.93	0.84	0.83	0.54	2.89	3.68	4.25	2.78	1.27	0.98	2.42	4.32	7.10	3.64	4.35	3.20	2.82	2.25
AGE: 17																						
1972-73 P-VALUE	3.73	3.98	4.47	2.44	4.22	2.91	4.46	3.10	5.73	9.29	7.64	6.67	3.71	2.36	5.77	5.02	8.87	0.61	2.35	3.55	3.81	3.56
1972-73 SE OF P-VAL	0.47	0.92	1.07	0.74	1.06	0.59	0.71	0.47	1.35	3.64	2.56	1.96	0.73	0.51	1.96	1.01	2.14	0.60	1.19	1.17	1.20	0.82
1972-73 DELTA-P		0.25	0.74	-1.29	0.49	-0.82	0.73	-0.63#	2.00	5.56	3.91	2.94	-0.02	-1.43#	2.04	1.29	5.14*	-3.12#	-1.34	-0.18	0.08	-0.17
1972-73 SE OF DP		0.78	0.94	0.68	0.88	0.48	0.43	0.25	1.31	3.50	2.39	1.85	0.61	0.45	1.85	1.34	2.06	0.68	1.17	1.09	1.13	0.65

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204023-12

72-73 Report #: UB239

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Biological science

Exercise Type: Short answer
Scoring Type: Professional
Administration Mode: Individual

Age:	9	13
72-73 Package-Exercise:	09-03	12-01
72-73 National P-val:		
UB239	75.70	82.14

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 204023-12 UB239

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	SIZE-AND-TYPE OF COMMUNITY LOW METRO	SIZE-AND-TYPE OF COMMUNITY HIGH METRO	SIZE-AND-TYPE OF COMMUNITY MAIN BIG CITY	SIZE-AND-TYPE OF COMMUNITY URBAN FRINGE	SIZE-AND-TYPE OF COMMUNITY MEDIUM CITY	SIZE-AND-TYPE OF COMMUNITY SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	2.37	1.52	2.28	2.59	3.11	1.21	3.59	1.76	2.78	9.37	5.16	0.59	2.62	0.85	3.93	4.53	2.84	0.94	0.84	1.68	1.95	3.11
1972-73 SE OF P-VAL	0.48	0.50	0.89	0.59	1.63	0.39	0.82	0.37	0.81	4.59	2.91	0.59	0.95	0.37	0.97	2.51	1.20	0.65	0.58	0.84	0.84	0.78
1972-73 DELTA-P		-0.85	-0.09	0.22	0.74	-1.16#	1.22#	-0.61	0.41	7.00	2.79	-1.78*	0.25	-1.52#	1.56*	2.16	0.47	-1.48	-1.53*	-0.69	-0.42	0.74
1972-73 SE OF DP		0.59	0.80	0.62	1.30	0.42	0.42	0.32	0.82	4.25	2.70	0.72	0.80	0.45	0.70	2.24	1.21	0.72	0.65	0.84	0.80	0.53
AGE: 13																						
1972-73 P-VALUE	1.33	1.19	1.78	0.28	2.27	0.74	1.90	0.99	2.31	3.68	3.87	3.17	0.85	0.42	2.76	4.39	0.75	0.00	1.14	0.41	1.17	1.56
1972-73 SE OF P-VAL	0.33	0.47	0.66	0.17	1.07	0.31	0.50	0.26	0.76	3.42	2.72	1.33	0.36	0.27	0.92	2.17	0.53	0.00	0.53	0.27	0.58	0.52
1972-73 DELTA-P		-0.13	0.45	-1.05#	0.94	-0.59*	0.57*	-0.34	0.98	2.35	2.54	1.84	-0.48	-0.91#	1.43	3.06	-0.58	-1.33#	-0.19	-0.92*	-[illegible].16	0.23
1972-73 SE OF DP		0.47	0.59	0.35	0.83	0.27	0.25	0.26	0.71	3.20	2.47	1.18	0.41	0.36	0.88	1.92	0.59	0.33	0.59	0.41	0.61	0.38
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	75.78	74.50	72.59	79.08	76.44	78.50	72.92	78.30	68.27	60.69	62.58	83.79	75.60	80.82	70.30	72.50	70.24	81.67	74.62	75.44	80.48	74.48
1972-73 SE OF P-VAL	1.18	2.14	3.04	1.62	2.71	1.54	1.53	1.25	3.59	4.92	5.07	3.80	2.44	1.81	1.75	4.10	4.66	2.89	2.53	3.07	3.45	1.68
1972-73 DELTA-P		-1.28	-3.19	3.30*	0.66	2.72#	-2.86#	2.52#	-7.51*	-15.09#	-13.20#	8.01*	-0.18	5.04#	-5.48#	-3.28	-5.54	5.89*	-1.16	-0.34	4.70	-1.30
1972-73 SE OF DP		1.92	2.50	1.60	2.32	0.94	1.00	0.63	3.22	4.80	4.78	3.72	1.94	1.29	1.77	3.69	4.50	2.90	2.69	2.86	2.93	1.32
AGE: 13																						
1972-73 P-VALUE	82.14	81.35	79.42	85.78	81.25	84.71	79.67	83.[illegible]0	75.86	77.16	74.52	69.83	83.50	88.15	72.23	78.12	79.55	85.42	82.85	80.97	83.81	82.28
1972-73 SE OF P-VAL	1.25	1.70	3.87	1.45	2.67	1.75	1.35	1.3[illegible]	2.39	5.30	4.09	5.57	1.58	1.28	4.25	3.25	2.41	2.73	2.57	2.49	2.80	2.55
1972-73 DELTA-P		-0.79	-2.72	3.64*	-0.89	2.57#	-2.47#	1.36#	-6.28#	-4.98	-7.62	-12.31#	1.36	6.01#	-9.91#	-4.02	-2.59	3.28	0.71	-1.17	1.67	0.14
1972-73 SE OF DP		1.74	3.11	1.57	2.29	0.96	0.89	0.52	2.26	5.04	4.28	4.76	1.50	1.32	3.71	2.80	2.75	2.62	2.50	2.32	2.72	1.80
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.92	6.82	9.11	5.09	6.99	5.65	8.26	6.01	8.11	16.05	10.13	5.23	5.15	4.12	11.75	9.76	10.86	3.28	5.61	7.04	4.33	7.96
1972-73 SE OF P-VAL	0.55	0.91	1.32	0.86	1.33	0.62	0.89	0.59	1.54	3.63	2.84	1.72	0.93	0.69	1.28	2.22	2.36	1.43	1.31	1.56	1.34	1.01
1972-73 DELTA-P		-0.10	2.19	-1.83*	0.07	-1.27*	1.34*	-0.91#	1.19	9.13#	3.21	-1.69	-1.77*	-2.80#	4.83#	2.64	3.54	-3.04#	-1.31	0.12	-2.59*	1.04
1972-73 SE OF DP		0.85	1.10	0.79	1.13	0.51	0.55	0.33	1.41	3.48	2.74	1.66	0.86	0.58	1.05	2.09	2.30	1.44	1.31	1.45	1.24	0.80
AGE: 13																						
1972-73 P-VALUE	4.81	3.37	5.82	3.88	4.76	3.71	5.08	4.29	3.91	5.77	5.69	12.48	3.97	1.92	6.28	4.83	5.74	2.94	3.43	4.99	3.06	5.16
1972-73 SE OF P-VAL	0.76	1.04	2.46	0.97	1.33	1.36	0.85	0.86	1.11	2.44	1.83	5.08	0.79	0.48	1.80	1.88	1.52	0.95	1.27	1.74	1.11	2.07
1972-73 DELTA-P		-1.04	1.41	-0.53	0.35	-0.70	0.67	-0.12	-0.50	2.36	1.28	8.07	-0.44	-2.49#	1.87	0.42	1.33	-1.47	-0.98	0.58	-1.35	0.75
1972-73 SE OF DP		1.05	1.96	0.[illegible]9	1.22	0.86	0.82	0.25	1.14	2.34	2.06	4.48	0.80	0.72	1.66	2.07	1.66	1.07	1.31	1.60	1.16	1.52

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204033-12

72-73 Report #: 0B240

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Biological science

Exercise Type: Short answer
Scoring Type: Professional
Administration Mode: Individual

Age:	9	13
72-73 Package-Exercise:	08-12	10-10
72-73 National P-val:		
0B240	81.35	87.94

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 204033-12 UB240

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	2.60	2.32	3.79	2.22	2.16	2.29	2.92	2.12	3.35	6.78	3.55	2.36	2.62	1.23	4.57	4.29	6.71	1.82	1.40	1.09	2.42	2.51
1972-73 SE OF P-VAL	0.40	0.91	0.90	0.57	0.80	0.57	0.47	0.43	1.08	2.28	1.99	1.42	0.90	0.29	1.03	1.01	2.11	1.37	0.83	0.83	0.58	0.71
1972-73 DELTA-P		-0.28	1.19	-0.38	-0.44	-0.31	0.32	-0.48	0.75	4.18*	0.95	-0.24	0.02	-1.37#	1.97*	1.69	4.11*	-0.78	-1.20	-1.51	-0.18	-0.09
1972-73 SE OF DP		0.76	0.77	0.56	0.70	0.33	0.34	0.27	0.95	2.09	1.99	1.36	0.69	0.41	0.81	1.04	1.92	1.24	0.74	0.79	0.68	0.61
AGE: 13																						
1972-73 P-VALUE	0.72	0.22	0.45	0.43	1.80	0.47	0.97	0.32	0.56	5.64	1.93	1.44	0.85	0.26	0.48	1.51	3.26	0.15	0.52	0.00	0.43	0.53
1972-73 SE OF P-VAL	0.27	0.18	0.29	0.20	0.98	0.23	0.36	0.12	0.41	3.15	1.36	1.12	0.33	0.16	0.34	1.47	1.44	0.15	0.36	0.00	0.41	0.29
1972-73 DELTA-P		-0.50	-0.27	-0.29	1.08	-0.25	0.25	-0.40	-0.16	4.92	1.21	0.72	0.13	-0.46#	-0.24	1.19	2.54	-0.57*	-0.20	-0.72#	-0.29	-0.19
1972-73 SE OF DP		0.30	0.34	0.30	0.74	0.15	0.15	0.25	0.48	2.92	1.15	1.00	0.30	0.18	0.39	1.26	1.37	0.28	0.41	0.27	0.44	0.19
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	81.35	79.76	78.09	84.95	82.13	81.89	80.79	83.52	73.66	72.09	77.32	72.46	83.31	85.50	75.42	76.69	74.42	83.14	84.96	83.29	81.76	81.45
1972-73 SE OF P-VAL	1.05	2.75	2.25	1.58	1.62	1.21	1.42	1.18	2.76	4.34	3.10	3.38	1.85	1.35	1.91	3.89	3.34	3.77	3.10	2.72	1.79	1.53
1972-73 DELTA-P		-1.59	-3.26	3.60*	0.78	0.54	-0.56	2.17#	-7.69#	-9.26*	-4.03	-8.89#	1.96	4.15#	-5.93#	-4.66	-6.93*	1.79	3.61	1.94	0.41	0.10
1972-73 SE OF DP		2.21	1.95	1.49	1.56	0.78	0.81	0.59	2.49	4.30	3.09	3.36	1.50	0.96	1.49	3.51	3.28	3.42	3.12	2.42	1.73	1.28
AGE: 13																						
1972-73 P-VALUE	87.94	87.38	84.96	90.18	88.65	88.92	86.97	90.38	77.74	77.82	80.55	88.16	87.81	91.60	78.98	85.77	77.97	90.58	83.92	90.75	89.13	89.43
1972-73 SE OF P-VAL	1.01	2.23	1.84	1.68	2.34	1.18	1.28	0.85	3.48	6.40	4.73	2.72	1.46	1.00	3.05	4.26	3.87	2.10	3.29	2.52	2.22	1.14
1972-73 DELTA-P		-0.56	-2.98	2.16	0.71	0.98	-0.97	2.44#	-10.20#	-10.12	-7.39	0.22	-0.13	3.66#	-8.96#	-2.17	-9.97#	2.64	-4.02	2.81	1.19	1.49
1972-73 SE OF DP		1.98	1.71	1.48	1.95	0.66	0.66	0.72	3.10	5.99	4.32	2.51	1.11	0.85	2.81	3.77	3.65	2.05	2.89	2.37	2.18	1.12
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.71	7.54	9.03	3.81	6.84	6.94	6.47	5.81	9.62	11.15	8.16	11.19	4.92	4.10	11.41	7.03	8.92	5.34	6.97	6.86	6.25	6.65
1972-73 SE OF P-VAL	0.68	1.91	0.89	0.91	1.49	0.87	0.87	0.70	1.93	3.33	2.53	2.51	0.94	0.62	1.74	2.02	3.07	1.77	2.48	1.56	1.16	1.04
1972-73 DELTA-P		0.83	2.32*	-2.90#	0.13	0.23	-0.24	-0.90*	2.91	4.44	1.45	4.48	-1.79*	-2.61#	4.70#	0.32	2.21	-1.37	0.26	0.15	-0.46	-0.06
1972-73 SE OF DP		1.51	0.94	0.91	1.27	0.53	0.55	0.41	1.69	3.18	2.59	2.52	0.80	0.61	1.25	1.97	2.88	1.61	2.37	1.38	1.03	0.86
AGE: 13																						
1972-73 P-VALUE	2.52	0.71	5.33	1.78	2.65	2.02	3.01	1.73	6.00	5.69	6.42	3.33	1.72	0.80	8.56	5.22	3.43	0.63	3.51	0.74	2.74	2.45
1972-73 SE OF P-VAL	0.33	0.39	0.81	0.57	0.75	0.38	0.51	0.27	1.47	1.96	1.60	1.28	0.41	0.29	1.98	1.38	1.42	0.61	1.27	0.50	0.82	0.68
1972-73 DELTA-P		-1.81#	2.81#	-0.74	0.13	-0.50	0.49	-0.79#	3.40#	2.97	3.90#	0.81	-0.80*	-1.72#	6.04#	2.70*	0.91	-1.09#	0.99	-1.78#	0.22	-0.07
1972-73 SE OF DP		0.43	0.60	0.50	0.63	0.31	0.31	0.25	1.33	1.81	1.56	1.21	0.40	0.32	1.82	1.30	1.39	0.63	1.17	0.57	0.79	0.55

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204035-12

72-73 Report #: UP241

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9	13
72-73 Package-Exercise:	02-25	02-30
72-73 National P-val: UP241	68.23	89.46
Timing: (in seconds)		
Stimulus:	21	21
Response:	8	10
I don't know:	5	5
Pause:	6	6
UP241 Exercise total:	40	42

EXERCISE: 204035-12 UP241

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	0.34	0.04	0.46	0.51	0.38	0.30	0.38	0.31	0.52	0.29	0.00	0.00	0.30	0.18	0.56	0.00	0.55	0.50	0.37	0.00	0.25	0.50
1972-73 SE OF P-VAL	0.12	0.04	0.31	0.30	0.17	0.17	0.17	0.14	0.34	0.29	0.00	0.00	0.20	0.13	0.25	0.00	0.39	0.51	0.40	0.00	0.26	0.24
1972-73 DELTA-P		-0.30#	0.12	0.17	0.04	-0.04	0.04	-0.03	0.18	-0.05	-0.34#	-0.34#	-0.04	-0.16	0.22	-0.34#	0.21	0.16	0.03	-0.34#	-0.09	0.16
1972-73 SE OF DP		0.12	0.25	0.24	0.17	0.12	0.12	0.06	0.31	0.31	0.12	0.12	0.19	0.15	0.16	0.12	0.37	0.46	0.35	0.12	0.26	0.19
AGE: 13																						
1972-73 P-VALUE	1.23	0.36	0.08	0.64	3.81	1.55	0.92	1.23	1.74	0.00	1.68	1.33	1.18	0.77	2.27	1.52	0.35	0.40	0.35	6.23	0.00	0.06
1972-73 SE OF P-VAL	0.68	0.26	0.08	0.56	2.68	0.97	0.49	0.82	1.32	0.00	1.00	1.35	0.73	0.24	1.83	1.52	0.35	0.41	0.35	4.39	0.00	0.05
1972-73 DELTA-P		-0.87	-1.15	-0.59	2.58	0.32	-0.31	0.00	0.51	-1.23	0.45	0.10	-0.05	-0.46	1.04	0.29	-0.88	-0.83	-0.88	5.00	-1.23	-1.17
1972-73 SE OF DP		0.70	0.68	0.77	2.03	0.36	0.35	0.24	1.36	0.68	0.51	0.74	0.25	0.63	1.18	1.51	0.75	0.78	0.73	3.77	0.68	0.68
RESPONSE: 03* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	68.23	74.43	58.73	69.94	69.01	66.17	70.23	72.85	47.36	57.28	57.18	65.38	69.39	76.64	63.55	58.71	46.33	80.87	69.06	73.62	76.14	68.07
1972-73 SE OF P-VAL	1.42	2.31	3.47	2.55	1.96	2.21	1.40	1.65	2.42	6.09	4.89	5.32	1.79	1.81	1.83	3.28	2.99	3.08	2.65	3.17	2.44	3.62
1972-73 DELTA-P		6.20#	-9.50#	1.71	0.78	-2.06	2.00	4.62#	-20.87#	-10.95	-11.05*	-2.85	1.16	8.41#	-4.68#	-9.52#	-21.90#	12.64#	0.83	5.39	7.91#	-0.16
1972-73 SE OF DP		2.07	2.74	2.25	2.04	1.20	1.17	0.78	2.62	5.80	4.54	4.97	1.67	1.35	0.96	3.61	3.08	3.01	2.61	3.04	2.67	2.81
AGE: 13																						
1972-73 P-VALUE	89.46	90.99	85.60	91.94	88.64	88.73	90.18	92.45	76.76	77.39	80.07	86.01	91.61	94.41	78.43	83.65	77.43	95.26	88.25	88.57	89.82	92.44
1972-73 SE OF P-VAL	1.00	1.68	2.33	1.35	2.51	1.29	1.03	1.07	2.26	3.44	3.98	2.57	1.48	0.86	2.73	4.35	2.68	1.52	1.73	4.06	2.08	1.10
1972-73 DELTA-P		1.53	-3.86	2.48	-0.82	-0.73	0.72	2.99#	-12.70#	-12.07#	-9.39#	-3.45	2.15	4.95#	-11.03#	-5.81	-12.03#	5.80#	-1.21	-0.89	0.36	2.98#
1972-73 SE OF DP		1.55	1.99	1.32	2.04	0.61	0.60	0.56	2.18	3.25	3.59	2.16	1.12	0.92	2.29	4.01	2.54	1.61	1.61	3.55	2.04	1.19
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	5.18	4.62	7.54	4.25	4.40	5.02	5.34	4.40	8.16	8.29	5.90	4.90	3.96	2.60	7.56	5.88	9.17	2.48	5.11	2.94	3.26	6.47
1972-73 SE OF P-VAL	0.47	1.21	0.89	0.54	0.89	0.78	0.64	0.49	1.45	2.36	2.05	2.21	0.88	0.65	0.97	1.53	2.12	1.19	1.16	0.85	0.77	1.03
1972-73 DELTA-P		-0.56	2.36#	-0.93	-0.78	-0.16	0.16	-0.78#	2.98*	3.11	0.72	-0.28	-1.22	-2.58#	2.38#	0.70	3.99*	-2.70#	-0.07	-2.24#	-1.92*	1.29
1972-73 SE OF DP		0.95	0.78	0.60	0.82	0.54	0.52	0.29	1.26	2.25	2.01	2.30	0.88	0.66	0.62	1.53	1.90	1.05	1.13	0.86	0.85	0.87
AGE: 13																						
1972-73 P-VALUE	1.01	1.37	1.33	0.90	0.50	1.09	0.93	0.76	1.90	2.42	2.42	0.67	1.12	0.50	1.74	1.25	3.22	0.38	1.58	0.83	1.32	0.46
1972-73 SE OF P-VAL	0.24	0.65	0.42	0.48	0.29	0.26	0.33	0.25	0.61	1.30	1.12	0.48	0.38	0.26	0.79	1.01	0.93	0.38	0.84	0.61	0.65	0.21
1972-73 DELTA-P		0.36	0.32	-0.11	-0.51	0.08	-0.08	-0.25*	0.89	1.41	1.41	-0.34	0.11	-0.51*	0.73	0.24	2.21#	-0.63	0.57	-0.18	0.31	-0.55*
1972-73 SE OF DP		0.53	0.[illegible]	0.39	0.31	0.18	0.17	0.12	0.58	1.22	1.00	0.52	0.34	0.21	0.67	0.92	0.87	0.41	0.76	0.54	0.58	0.26

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 3.5 times its standard error.

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NAEP #:         204038-123

72-73 Report #: UB243


72-73 Obj:      II. UNDERSTAND  AND APPLY THE FUNDAMENTAL ASPECTS
                    OF  SCIENCE  IN  A  WIDE  RANGE  OF   PROBLEM
                    SITUATIONS.
72-73 Subobj:    D. Understand and apply inquiry skills.

Science Type:       Biological science


Exercise Type:          Multiple choice using graphs
Scoring Type:           Machine
Administration Mode:    Group

Age:                              __9__     _13__     _17IS
72-73 Package-Exercise:           03-17     09-31     10-19

72-73 National P-val:
          UB243                   35.23     33.08     34.88

Timing: (in seconds)
                      Stimulus:  30         30         28
                      Response:  31         31         31
                  I don't know:   5          5          5
                         Pause:   6          6          6
   UB243        Exercise total:  72         72         70
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EXERCISE: 204030-123 08243

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.34	0.53	0.24	0.58	0.00	0.59	0.07	0.31	0.68	0.00	0.85	1.11	0.76	0.10	0.17	0.00	0.55	0.00	0.00	0.89	1.02	0.18
1972-73 SE OF P-VAL	0.15	0.43	0.16	0.37	0.00	0.28	0.05	0.17	0.35	0.00	0.86	1.12	0.51	0.11	0.10	0.00	0.56	0.00	0.00	0.70	0.83	0.11
1972-73 DELTA-P		0.19	-0.10	0.24	-0.34*	0.25	-0.27	-0.03	0.34	-0.34*	0.51	0.77	0.42	-0.24	-0.17	-0.34*	0.21	-0.34*	-0.34*	0.55	0.68	-0.16
1972-73 SE OF DP		0.35	0.18	0.29	0.15	0.14	0.15	0.06	0.32	0.15	0.78	1.00	0.39	0.16	0.15	0.15	0.54	0.15	0.15	0.62	0.75	0.15

AGE: 13

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.70	0.47	5.67	1.75	6.07	3.16	4.29	3.27	5.28	6.38	0.66	2.63	3.73	1.94	6.73	1.[illegible]3	17.24	0.00	8.38	5.93	0.47	2.00
1972-73 SE OF P-VAL	1.54	0.21	3.48	1.22	4.81	1.27	1.99	1.47	2.82	5.08	4.30	1.60	1.72	0.95	2.[illegible]3	1.40	14.96	0.00	5.54	5.28	0.46	1.99
1972-73 DELTA-P		-3.23*	1.97	-1.95	3.17	-0.54	0.59	-0.43	1.58	2.60	4.96	-1.07	0.03	-1.76#	3.03	-1.77	13.54	-3.70*	4.68	2.23	-3.23*	-1.70
1972-73 SE OF DP		1.55	2.95	1.76	3.66	0.58	0.63	0.37	2.68	4.06	2.94	0.86	0.81	0.69	1.[illegible]3	2.19	14.14	1.54	5.15	4.70	1.59	1.90

AGE: 17

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.35	0.92	0.12	0.07	0.29	0.42	0.29	0.26	0.71	0.78	0.00	0.00	0.21	0.41	1.46	0.00	2.45	0.93	0.09	0.00	0.00	0.15
1972-73 SE OF P-VAL	0.14	0.49	0.12	0.06	0.21	0.18	0.21	0.14	0.50	0.77	0.00	0.00	0.15	0.26	0.90	0.00	1.09	0.90	0.10	0.00	0.00	0.11
1972-73 DELTA-P		0.57	-0.23	-0.28*	-0.06	0.07	-0.06	-0.09	0.36	0.43	-0.35#	-0.35#	-0.14	0.06	1.11	-0.35#	2.14*	0.58	-0.26	-0.35#	-0.35#	-0.20
1972-73 SE OF DP		0.38	0.17	0.14	0.21	0.15	0.13	0.08	0.45	0.73	0.14	0.14	0.17	0.16	0.84	0.14	1.01	0.81	0.16	0.14	0.14	0.15

RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	35.23	38.90	27.93	36.57	36.74	38.60	31.62	38.71	20.46	24.97	31.97	27.86	39.22	39.32	30.95	32.60	22.08	43.98	30.71	36.72	39.74	34.92
1972-73 SE OF P-VAL	1.39	3.06	2.74	2.38	2.71	1.69	1.83	1.48	2.15	3.84	7.90	5.01	2.91	2.00	1.68	3.37	3.28	3.46	2.85	3.31	3.43	2.38
1972-73 DELTA-P		3.67	-7.30#	1.34	1.51	3.37#	-3.61#	3.48#	-14.77#	-10.26#	-3.26	-7.37	3.99	4.09#	-4.28#	-2.63	-13.15#	8.75#	-4.52	1.49	4.51	-0.31
1972-73 SE OF DP		2.58	2.45	2.11	2.32	1.06	1.15	0.57	2.18	3.93	7.73	4.83	2.37	1.42	1.30	3.19	3.22	3.08	2.72	3.13	3.26	1.80

AGE: 13

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	33.00	33.60	31.84	34.42	32.39	32.86	33.32	34.03	30.50	25.87	26.72	34.90	32.86	36.63	25.70	32.62	31.23	28.25	30.98	31.63	36.06	35.37
1972-73 SE OF P-VAL	1.25	1.44	2.00	3.12	2.25	1.91	1.66	1.35	3.16	3.96	4.06	4.21	2.11	1.99	2.49	4.76	7.57	3.13	3.20	3.28	3.87	2.22
1972-73 DELTA-P		0.52	-1.24	1.38	-0.69	-0.22	0.24	0.95	-2.58	-7.21	-6.36	1.90	-0.22	3.55#	-7.30#	-0.26	-1.85	-4.83	-2.10	-1.45	2.98	2.29
1972-73 SE OF DP		1.62	2.37	2.50	2.00	1.24	1.38	0.49	2.91	3.88	4.22	4.11	1.69	1.25	2.37	4.33	7.51	3.08	3.00	3.27	3.62	1.67

AGE: 17

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	34.88	36.41	33.64	35.47	33.70	35.35	34.45	35.50	30.59	35.86	26.69	[illegible]7.00	32.70	37.38	33.43	33.55	25.78	40.43	41.76	34.56	37.01	32.52
1972-73 SE OF P-VAL	1.17	2.67	2.61	1.89	2.38	2.03	1.64	1.35	3.14	5.06	3.57	3.89	2.02	1.71	4.33	5.29	2.69	3.68	5.90	2.29	2.71	2.45
1972-73 DELTA-P		1.53	-1.24	0.59	-1.18	0.47	-0.43	0.62	-4.29	0.98	-8.19*	2.12	-2.18	2.50*	-1.45	-1.33	-5.10	5.55	6.88	-0.32	2.13	-2.36
1972-73 SE OF DP		2.24	2.31	1.70	2.05	1.49	1.35	0.57	3.17	4.86	3.33	3.15	1.59	1.24	4.00	5.28	2.66	3.46	5.55	2.36	2.57	1.93

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.93	7.67	9.85	5.44	9.20	6.55	9.41	7.49	8.63	12.04	6.77	4.45	6.87	4.34	11.90	7.28	13.56	4.54	7.87	9.09	5.52	8.34
1972-73 SE OF P-VAL	0.65	1.23	1.40	1.32	1.18	0.74	1.00	0.70	1.59	2.87	3.38	2.44	1.26	0.74	1.34	2.15	2.85	1.16	1.35	1.10	1.66	1.10
1972-73 DELTA-P		-0.26	1.92	-2.49*	1.27	-1.38*	1.48*	-0.44	0.70	4.11*	-1.16	-3.48	-1.06	-3.59#	3.97#	-0.65	5.63*	-3.39#	-0.06	1.16	-2.41	0.41
1972-73 SE OF DP		1.11	1.24	1.08	1.04	0.57	0.60	0.33	1.40	1.96	3.17	2.50	1.17	0.84	0.94	2.08	2.62	1.12	1.38	1.06	1.57	0.81

AGE: 13

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.06	2.47	3.97	4.70	4.21	4.45	3.22	3.50	5.51	5.45	3.82	4.48	3.97	2.13	8.08	5.92	5.38	1.85	3.75	5.00	4.81	2.83
1972-73 SE OF P-VAL	0.46	0.59	0.99	1.20	0.73	0.58	0.57	0.53	1.28	1.18	1.37	1.46	0.84	0.47	1.61	2.29	1.05	0.71	1.40	1.57	1.52	0.67
1972-73 DELTA-P		-1.39*	0.11	0.84	0.35	0.59	-0.64	-0.36	1.65	1.59	-0.84	0.64	0.11	-1.73#	4.22#	2.06	1.52	-2.01*	-0.07	1.14	0.95	-1.03
1972-73 SE OF DP		0.61	0.85	0.95	0.68	0.34	0.36	0.19	1.22	1.13	1.44	1.49	0.69	0.39	1.34	2.12	1.12	0.81	1.38	1.44	1.37	0.63

AGE: 17

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.17	3.65	2.91	3.32	2.73	2.88	3.43	2.68	5.61	4.59	6.02	2.92	2.16	2.56	9.20	2.60	4.16	2.98	3.96	2.70	2.73	3.39
1972-73 SE OF P-VAL	0.45	1.21	0.84	0.52	0.91	0.54	0.72	0.53	1.49	1.96	2.12	1.22	0.53	0.67	2.21	1.11	1.87	1.19	1.77	1.63	0.80	0.68
1972-73 DELTA-P		0.48	-0.26	0.15	-0.44	-0.29	0.26	-0.49	2.44	1.42	2.85	-0.25	-1.01	-0.61	6.03#	-0.57	0.95	-0.19	0.79	-0.47	-0.44	0.22
1972-73 SE OF DP		0.96	0.70	0.57	0.78	0.48	0.44	0.28	1.41	1.87	2.00	1.17	0.57	0.48	2.02	1.13	1.77	1.22	1.72	1.38	0.83	0.58

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204050-34

72-73 Report #: UP245

72-73 Ob[illegible] II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Physical science

Exercise Type: Multiple part short answer using graphs
Scoring Type: Professional
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	02-13	03-10
72-73 National P-val:		
UP245-1	28.79	*****
UP245-2	25.16	*****
UP245-3	14.13	*****
Timing: (in seconds)		
Stimulus:	25	26
Response:	94	*
UP245 Exercise total:	119	*

*Time not limited by paced tape.

***** Adult responses were not scored due to incorrect printing of graphs in adult packages.

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                           NATION |          REGION            |     SEX      |          RACE           |              PARENTAL EDUCATION            |                 SIZE-AND-TYPE OF COMMUNITY
                                  | NORTH  SOUTH               |              |                  OTHER  |          SOME    GRAD    POST              |EXTREME   LOW     HIGH    MAIN   URBAN  MEDIUM  SMALL
                           -------|  EAST   EAST CENTRAL  WEST |  MALE FEMALE | WHITE  BLACK     RACE  |  NO HS    HS      HS      HS   UNKNOWN  |  RURAL   METRO   METRO  BIG CTY FRINGE  CITY  PLACES

EXERCISE: 204050-34 ... UP245

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective [illegible]D.  (Data for adults not available.)

Part 1.

RESPONSE:  00     AGE: 17          TEXT:  No Response.

     1972-73 P-VALUE         4.56     4.38   4.55   4.45   4.92     5.32   3.91     2.98  10.06  13.16      8.25   5.44   5.03   2.46  11.04      4.26   7.90   1.43  13.29   4.94   2.96   3.48
     1972-73 SE OF P-VAL     0.64     1.04   1.34   1.38   1.33     0.91   0.65     0.59   1.84   4.35      2.87 [illegible] 1.05  0.61   2.51      1.56   2.15   1.17   4.21   1.79   1.13   0.85
     1972-73 DELTA-P                 -0.18  -0.01  -0.11   0.36     0.76  -0.65    -1.58#  5.50#  8.60*     3.69 [illegible] 0.47 -2.10#  6.48#    -0.30   3.34  -3.13#  8.72*   0.38  -1.60  -1.08
     1972-73 SE OF DP                 0.94   1.21   1.12   1.16     0.48   0.41     0.46   1.70   4.08      2.66   1.22   0.77   0.51   2.42      1.54   2.00   1.18   3.97   1.55   1.17   0.71

RESPONSE:  01*    AGE: 17          TEXT:  All Acceptable Responses.

     1972-73 P-VALUE        28.79    32.98  22.79  30.96  26.52    29.15  28.48    32.05  16.47  13.20     19.62  22.66  25.61  35.81  18.34     19.86  16.48  39.07  24.46  36.25  30.39  28.13
     1972-73 SE OF P-VAL     1.41     3.10   3.23   2.67   2.36     1.67   1.86     1.55   2.41   2.88      4.32   2.72   2.02   1.90   3.85      4.11   2.47   4.50   3.75   3.71   4.34   1.99
     1972-73 DELTA-P                  4.19  -6.00*  2.17  -2.27     0.36  -0.31     3.26#-12.32#-15.59#    -9.17* -6.13* -3.18*  7.02#-10.45#    -8.93*-12.31# 10.28* -4.33   7.46*  1.60  -0.66
     1972-73 SE OF DP                 2.51   2.90   2.27   2.24  [illegible] 0.99    0.64   2.51   2.98      3.80   2.67   1.57   1.31 [illegible]   4.04   2.59   4.19   3.62   3.52   4.03   1.55

RESPONSE:  03     AGE: 17          TEXT:  I Don't Know.

     1972-73 P-VALUE         8.09     6.49  12.72   7.38   6.75     7.49   8.60     7.15  15.14   4.68      9.88  13.37   7.09   5.42  19.11      8.38  15.00   2.15   7.85   8.80   4.98   8.28
     1972-73 SE OF P-VAL     0.75     1.51   1.58   1.68   1.05     1.21   1.00     0.80   2.37   1.57      2.51   2.49   1.01   0.79   4.63      2.85   3.19   1.18   2.68   2.24   1.05   1.24
     1972-73 DELTA-P                 -1.60   4.63# -0.71  -1.34    -0.60   0.51    -0.94*  7.05# -3.41*     1.79   5.28* -1.00  -2.67# 11.02#     0.29   6.91* -5.94# -0.24   0.71  -3.11#  0.19
     1972-73 SE OF DP                 1.25   1.46   1.34   1.06     0.87   0.76     0.39   2.14   1.55      2.32   2.16   0.89   0.79   4.33      2.80   2.85   1.28   2.61   2.07 [illegible] 1.09

EXERCISE: 204050-34 ... UP245

Part 2.

RESPONSE:  00     AGE: 17          TEXT:  No Response.

     1972-73 P-VALUE        16.36    13.51  16.93  16.28  19.35    18.08  14.89    12.81  27.39  38.67     24.99  17.65  15.70  13.59  26.95     24.83  24.88   9.28  27.75  17.48  15.11  12.35
     1972-73 SE OF P-VAL     1.17     1.71   1.44   3.08   2.24     1.45   1.33     1.04   3.69   5.20      4.04   2.23   1.88   1.28   3.39      3.66   3.96   2.90   9.01   2.83   2.13   1.30
     1972-73 DELTA-P                 -2.85   0.57  -0.08   2.99     1.72* -1.47* [illegible] 11.03# 22.31#    8.63*  1.29  -0.66  -2.77# 10.59#     8.47*  8.52* -7.08# 11.39   1.12  -1.25  -4.01#
     1972-73 SE OF DP                 1.60   1.61   2.35   2.02     0.82   0.70     0.90   3.25   4.99      3.94   2.05   1.17   0.98   3.00      3.60   3.69   2.79   8.51   2.60   2.16   1.33

RESPONSE:  01*    AGE: 17          TEXT:  All Acceptable Responses.

     1972-73 P-VALUE        25.16    29.75  20.06  25.62  23.66    24.67  25.58    29.07   8.50  10.70     14.66  17.92  24.62  30.91  14.05     14.91  14.05  39.90  18.14  27.18  23.68  26.78
     1972-73 SE OF P-VAL     1.33     2.75   2.61   2.59   2.29     1.57   1.81     1.38   1.65   3.29      3.49   2.86   2.05   1.94   3.88      2.23   2.59   4.62   3.08   3.40   2.87   1.79
     1972-73 DELTA-P                  4.59* -5.10*  0.46  -1.50    -0.49   0.42     3.91#-16.66#-14.46#   -10.50# -7.24# -0.54   5.75#-11.11#   -10.25#-11.11# 14.74# -7.02*  2.02  -1.48   1.62
     1972-73 SE OF DP                 2.18   2.45   2.17   2.13     1.15   0.99     0.61   1.83   3.25      3.28   2.60   1.57   1.49   3.52      2.34   2.61   4.14   3.02   3.16   2.68   1.58

RESPONSE:  03     AGE: 17          TEXT:  I Don't Know.

     1972-73 P-VALUE        12.19    11.05  15.27  10.94  12.32    10.68  13.48    11.50  17.44   9.58     16.31  18.98  11.00   9.29  20.03     12.15  18.02 [illegible] 10.58  14.67   9.78  12.58
     1972-73 SE OF P-VAL     0.96     2.18   1.50   2.08   1.58     1.28   1.20     1.07   2.48   2.69      3.23   3.01   1.28   1.10   4.62      3.07   3.76 [illegible] 3.40   2.31   1.74   1.73
     1972-73 DELTA-P                 -1.14   3.08* -1.25   0.13    -1.51   1.29    -0.69   5.25* -2.61      4.12   6.79# -1.19  -2.90#  7.84     -0.04   5.83  -7.90# -1.61   2.48  -2.41   0.39
     1972-73 SE OF DP                 1.75   1.53   1.67   1.50     0.84   0.74     0.43   2.27   2.60      2.93   2.60   1.05   1.00   4.26      2.97   3.40   1.83   3.34   2.22   1.83   1.40

EXERCISE: 204050-34 ... UP245

Part 3.

RESPONSE:  00     AGE: 17          TEXT:  No Response.

     1972-73 P-VALUE        32.48    29.27  32.98  34.44  33.50    34.85  30.45    28.54  46.85  52.41     40.97  32.86  34.19  29.11  37.24     36.25  41.64  25.62  44.36  31.48  32.99  29.44
     1972-73 SE OF P-VAL     1.51     2.61   1.86   3.79   2.60     1.90   1.73     1.41   4.19   4.60      4.37   2.90   2.58   2.16   4.68      3.01   4.19   3.61   8.75   3.66   3.57   1.78
     1972-73 DELTA-P                 -3.21   0.50   1.96   1.02     2.37* -2.03*   -3.94# 14.37# 19.93#     8.49   0.38   1.71  -3.37*  4.76      3.77   9.16* -6.86* 11.88  -1.00   0.51  -3.04
     1972-73 SE OF DP                 2.22   2.08   2.93   2.43     1.08   0.89     0.94   3.66   4.40      4.28   2.58   1.93   1.64   4.37      2.93   3.77   3.35   8.30   3.26   3.41   1.62

RESPONSE:  01*    AGE: 17          TEXT:  All Acceptable Responses.

     1972-73 P-VALUE        14.13    17.23  11.84  13.02  13.80    14.19  14.08    15.93   6.64   7.04      9.88  11.53  13.20  17.03   8.99     13.15   5.86  21.14  14.05  14.40  13.44  14.91
     1972-73 SE OF P-VAL     1.03     2.29   1.56   1.99   2.03     1.45   1.23     1.13   1.76   2.42      2.50   2.02   1.46   1.46   2.37      1.90   1.58   3.45   3.80   2.60   2.96   1.30
     1972-73 DELTA-P                  3.10  -2.29  -1.11  -0.33     0.06  -0.05     1.80# -7.49# -7.09#    -4.65  -2.60  -0.93   2.90# -5.14*    -0.98  -8.27#  7.01* -0.08   0.27  -0.69   0.78
     1972-73 SE OF DP                 1.82   1.59   1.67   1.80     0.92   0.78     0.42   1.68   2.33      2.38   1.68   1.16   0.90   2.41      3.69   1.60   3.15   3.78   2.37   2.64   1.13
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 204050-34 UP245

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID. (Data for adults not available.)

Part 3.

RESPONSE: 03 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	21.23	18.16	24.70	21.82	21.10	17.73	24.22	21.36	21.21	19.52	23.[illegible]0	30.01	20.45	18.18	25.53	18.79	24.27	13.60	17.32	26.99	17.67	22.09
1972-73 SE OF P-VAL	1.22	1.83	1.81	3.28	2.19	1.61	1.71	1.28	2.87	5.38	3.67	3.72	1.49	1.36	5.02	3.61	4.18	2.55	5.89	4.45	2.78	1.80
1972-73 DELTA-P		-3.07	3.47	0.59	-0.13	-3.50#	2.99#	0.13	-0.02	-1.7[illegible]	2.67	0.70#	-0.78	-3.05#	4.30	-2.44	3.04	-7.63#	-3.91	5.76	-3.56	0.86
1972-73 SE OF DP		1.74	1.87	2.49	2.01	1.18	1.07	0.5[illegible]	2.[illegible]	5.16	3.57	3.04	1.12	1.19	4.55	3.80	3.80	2.52	5.65	3.78	2.88	1.79

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204054-1

72-73 Report #: UB246

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Biological science

Exercise Type: Apparatus needed
Scoring Type: Professional
Administration Mode: Individual

Age: 9
72-73 Package-Exercise: 10-05

72-73 National P-val:

UB246-1	79.93
UB246-2	28.03
UB246-3	29.18
UB246-4	[illegible].11
UB246-5	2.10
UB246-6	11.06

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 204054-1   UB246

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

Part 1.

RESPONSE: 00   AGE: 9   TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	19.19	16.73	23.67	16.89	19.57	20.03	18.42	17.51	26.31	23.58	29.72	15.10	19.29	16.20	22.28	25.93	27.42	16.13	17.35	15.81	16.98	19.39
1972-73 SE OF P-VAL	1.15	2.01	2.22	2.21	2.69	1.28	1.74	1.32	2.91	5.79	5.03	4.36	1.71	1.79	2.04	6.19	3.91	2.63	2.30	2.32	2.24	2.02
1972-73 DELTA-P		-2.46	4.48*	-2.30	0.38	0.84	-0.77	-1.68*	7.12#	4.39	10.53*	-4.09	0.10	-2.99*	3.09	6.74	8.23*	-3.06	-1.84	-3.38	-2.21	0.20
1972-73 SE OF DP		1.81	1.94	1.91	2.26	1.07	0.98	0.69	2.76	5.55	4.70	3.99	1.57	1.22	1.87	5.71	3.76	2.52	2.12	2.38	2.24	1.66

RESPONSE: 01*   AGE: 9   TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	79.93	82.28	75.34	82.23	79.79	79.41	80.41	81.76	71.97	75.56	69.24	81.91	79.68	83.24	76.88	73.51	72.28	83.40	80.28	84.18	81.74	79.68
1972-73 SE OF P-VAL	1.13	2.14	2.14	2.05	[illegible]	1.29	1.70	1.29	3.03	5.62	5.04	4.65	1.80	1.79	2.02	6.10	3.83	2.60	2.67	2.32	2.25	1.97
1972-73 DELTA-P		2.35	-4.59*	2.30	-0.14	-0.52	0.48	1.83#	-7.96#	-4.37	-10.69*	1.98	-0.25	3.31#	-3.05	-6.42	-7.65*	3.47	0.35	4.25	1.81	-0.25
1972-73 SE OF DP		1.86	1.80	1.82	2.23	1.06	0.97	[illegible]	2.85	5.38	4.71	[illegible]	1.62	1.24	1.88	5.66	3.65	2.52	2.40	2.39	2.25	1.65

RESPONSE: 09   AGE: 9   TEXT: I Don't Know.

Response did not occur at this age.

EXERCISE: 204054-1   UB246

Part 2.

RESPONSE: 00   AGE: 9   TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	68.65	68.90	68.73	65.65	71.59	67.43	69.77	65.17	79.08	87.09	81.05	69.36	69.94	59.61	78.47	76.97	79.53	60.84	70.89	63.03	61.56	71.17
1972-73 SE OF P-VAL	1.54	2.12	3.22	3.62	3.05	1.77	1.94	1.72	2.88	4.17	5.26	5.34	2.63	2.43	2.22	4.29	2.86	3.03	3.42	3.82	4.64	2.20
1972-73 DELTA-P		0.25	0.08	-3.00	2.94	-1.22	1.12	-3.48#	10.43#	18.44#	12.40*	0.71	1.29	-9.04#	9.82#	8.32	10.88#	-7.81#	2.24	-5.62	-7.09	2.52
1972-73 SE OF DP		2.16	2.75	2.95	2.66	1.10	1.00	0.58	2.75	4.12	5.14	5.10	2.56	1.52	1.71	4.26	2.67	2.67	3.08	3.37	4.14	1.93

RESPONSE: 01*   AGE: 9   TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	28.03	28.38	26.23	32.09	25.12	29.05	27.10	31.18	19.96	8.29	16.51	27.65	27.02	36.46	18.67	21.10	17.76	36.51	24.52	34.92	34.78	24.77
1972-73 SE OF P-VAL	1.48	2.18	3.43	3.23	2.72	1.69	1.95	1.63	2.96	2.88	5.00	5.30	2.45	2.39	2.17	3.85	2.92	2.61	3.10	3.51	5.20	2.02
1972-73 DELTA-P		0.35	-1.80	4.06	-2.91	1.02	-0.93	3.15#	-8.07#	-19.74#	-11.52*	-0.38	-1.01	8.43#	-9.36#	-6.93	-10.27#	8.48#	-3.51	6.89*	6.75	-3.26
1972-73 SE OF DP		2.13	2.84	2.69	2.44	1.13	1.03	0.56	2.72	2.97	4.83	5.12	2.44	1.49	1.69	3.81	2.68	2.39	3.00	3.10	4.56	1.78

RESPONSE: 09   AGE: 9   TEXT: I Don't Know.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.04	0.00	0.00	0.16	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.04	0.00	0.00	0.17	0.00	0.09	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00
1972-73 DELTA-P		-0.04	-0.04	0.12	-0.04	0.05	-0.04	0.01	-0.04	-0.04	-0.04	-0.04	-0.04	0.06	-0.04	-0.04	-0.04	0.29	-0.04	-0.04	-0.04	-0.04
1972-73 SE OF DP		0.04	0.04	0.12	0.04	0.05	0.04	0.01	0.04	0.04	0.04	0.04	0.04	0.06	0.04	0.04	0.04	0.29	0.04	0.04	0.04	0.04

EXERCISE: 204054-1   UB246

Part 3.

RESPONSE: 00   AGE: 9   TEXT: No Response.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	70.05	65.15	76.03	65.52	73.85	70.61	69.54	69.50	72.16	71.94	79.85	76.71	71.18	68.18	69.03	80.42	69.87	63.01	75.48	64.07	66.62	71.93
1972-73 SE OF P-VAL	1.21	1.36	1.56	2.46	3.46	1.55	1.59	1.49	2.48	4.51	3.73	4.10	2.58	2.20	1.90	3.23	3.39	3.40	2.79	3.79	2.26	2.81
1972-73 DELTA-P		-4.90#	5.98#	-4.53*	3.80	0.56	-0.51	-0.55	2.11	1.89	9.80#	6.66	1.13	-1.87	-1.02	10.37#	-0.18	-7.04*	5.43	-5.98	-3.43	1.88
1972-73 SE OF DP		1.57	1.62	2.09	2.72	1.05	0.96	0.59	2.52	4.48	3.54	4.20	2.17	1.60	1.93	3.16	3.44	3.40	2.88	3.53	2.21	2.10

RESPONSE: 01*   AGE: 9   TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	29.18	33.93	22.99	34.14	25.29	28.64	29.68	29.68	27.52	26.85	18.89	23.29	27.90	30.77	30.68	19.28	29.32	36.24	23.61	34.67	32.29	27.55
1972-73 SE OF P-VAL	1.19	1.21	1.47	2.45	3.42	1.54	1.62	1.47	2.45	4.56	3.56	4.16	2.57	2.21	1.89	3.16	3.22	3.44	2.74	3.80	2.38	2.71
1972-73 DELTA-P		4.75#	-6.19#	4.96*	-3.89	-0.54	0.50	0.50	-1.66	-2.33	-10.29#	-5.89	-1.28	1.59	1.50	-9.90#	0.14	7.06*	-5.57*	5.49	3.11	-1.63
1972-73 SE OF DP		1.48	1.56	2.07	2.68	1.10	1.00	0.59	[illegible]	4.52	3.45	4.22	2.17	1.60	1.93	3.08	3.31	3.48	2.77	3.54	2.22	2.03

RESPONSE: 09   AGE: 9   TEXT: I Don't Know.

Response did not occur at this age.

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                              NATION |           REGION              |     SEX       |        RACE          |          PARENTAL EDUCATION              |              SIZE-AND-TYPE OF COMMUNITY
                                     | NORTH  SOUTH                  |               |                OTHER |        SOME    GRAD    POST              |EXTREME  LOW    HIGH   MAIN   URBAN  MEDIUM SMALL
                                     |  EAST   EAST CENTRAL   WEST   |  MALE  FEMALE | WHITE  BLACK   RACE  | NO HS    HS      HS      HS   UNKNOWN   | RURAL  METRO  METRO BIG CTY FRINGE  CITY  PLACES

EXERCISE: 204054-1      UB246

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

Part 4.

RESPONSE:  00    AGE:  9       TEXT:  No Response.

     1972-73 P-VALUE          97.50    96.50  96.92  98.24  98.34    96.31  98.59    97.07  99.13  99.05    99.07  99.73  97.21  95.87  99.44    96.92  98.15  96.53  98.18  98.25  97.84  97.21
     1972-73 SE OF P-VAL       0.40     1.15   0.81   0.38   0.52     0.74   0.47     0.48   0.45   0.77     0.94   0.27   0.93   0.99   0.29     2.09   1.05   1.42   1.10   0.83   1.39   0.75
     1972-73 DELTA-P                   -1.00  -0.58   0.74   0.84    -1.19*  1.09*   -0.43#  1.63#  1.55*    1.57   2.23# -0.29  -1.63*  1.94#   -0.58   0.65  -0.97   0.68   0.75   0.34  -0.29
     1972-73 SE OF DP                   0.89   0.70   0.48   0.54     0.49   0.45     0.13   0.55   0.77     0.97   0.48   0.94   0.69   0.45     1.96   1.07   1.31   1.08   0.90   1.27   0.65

RESPONSE:  01*   AGE:  9       TEXT:  All Acceptable Responses.

     1972-73 P-VALUE           2.11     3.37   2.36   1.27   1.45     3.30   1.02     2.50   0.50   0.95     0.93   0.27   2.21   3.48   0.56     2.59   1.45   3.10   1.81   1.29   0.64   2.79
     1972-73 SE OF P-VAL       0.38     1.15   0.53   0.45   0.56     0.72   0.35     0.45   0.36   0.77     0.94   0.27   0.79   0.91   0.29     1.76   0.79   1.46   1.10   0.70   0.64   0.75
     1972-73 DELTA-P                    1.26   0.25  -0.84  -0.66     1.19# -1.09#    0.39# -1.61# -1.16    -1.18  -1.84#  0.10   1.37* -1.55#    0.48  -0.66   0.99  -0.30  -0.82  -1.47*  0.68
     1972-73 SE OF DP                   0.87   0.53   0.49   0.55     0.43   0.40     0.12   0.46   0.76     0.96   0.46   0.81   0.62   0.43     1.65   0.81   1.33   1.04   0.75   0.67   0.61

RESPONSE:  09    AGE:  9       TEXT:  I Don't Know.

     1972-73 P-VALUE           0.02     0.00   0.07   0.00   0.00     0.00   0.04     0.02   0.00   0.00     0.00   0.00   0.00   0.04   0.00     0.00   0.00   0.00   0.00   0.00   0.13   0.00
     1972-73 SE OF P-VAL       0.02     0.00   0.07   0.00   0.00     0.00   0.03     0.02   0.00   0.00     0.00   0.00   0.00   0.04   0.00     0.00   0.00   0.00   0.00   0.00   0.12   0.00
     1972-73 DELTA-P                   -0.02   0.05  -0.02  -0.02    -0.02   0.02     0.00  -0.02  -0.02    -0.02  -0.02  -0.02   0.02  -0.02    -0.02  -0.02  -0.02  -0.02  -0.02   0.11  -0.02
     1972-73 SE OF DP                   0.02   0.05   0.02   0.02     0.02   0.02     0.00   0.02   0.02     0.02   0.02   0.02   0.02   0.02     0.02   0.02   0.02   0.02   0.02   0.11   0.02

EXERCISE: 204054-1      UB246

Part 5.

RESPONSE:  00    AGE:  9       TEXT:  No Response.

     1972-73 P-VALUE          96.93    95.89  97.05  96.60  98.25    96.80  97.05    96.63  97.56  99.12    97.71  96.77  96.21  96.56  97.91    97.44  98.57  94.47  98.05  97.74  96.46  96.86
     1972-73 SE OF P-VAL       0.35     0.83   0.74   0.71   0.44     0.63   0.53     0.48   0.90   0.85     1.65   1.88   1.07   0.89   0.58     1.81   0.83   1.61   0.99   1.10   1.28   0.77
     1972-73 DELTA-P                   -1.04   0.12  -0.33   1.32#   -0.13   0.12    -0.30   0.63   2.19#    0.78  -0.16  -0.72  -0.37   0.98     0.51   1.64  -2.46   1.12   0.81  -0.47  -0.07
     1972-73 SE OF DP                   0.68   0.63   0.51   0.48     0.48   0.44     0.20   0.98   0.87     1.66   1.95   1.10   0.66   0.54     1.76   0.86   1.53   0.95   1.14   1.18   0.65

RESPONSE:  01*   AGE:  9       TEXT:  All Acceptable Responses.

     1972-73 P-VALUE           2.10     3.26   2.14   1.67   1.30     2.17   2.04     2.27   1.75   0.89     1.04   0.00   3.29   2.33   1.39     1.79   1.11   4.18   1.36   1.86   2.89   1.61
     1972-73 SE OF P-VAL       0.29     0.61   0.71   0.60   0.33     0.45   0.44     0.36   0.67   0.85     1.05   0.00   0.98   0.72   0.50     1.22   0.83   1.27   0.72   1.05   1.28   0.49
     1972-73 DELTA-P                    1.16*  0.04  -0.43  -0.80*    0.07  -0.06     0.17  -0.35  -1.21    -1.06  -2.10#  1.19   0.23  -0.71    -0.31  -0.95   2.08  -0.74  -0.24   0.79  -0.49
     1972-73 SE OF DP                   0.53   0.58   0.51   0.38     0.35   0.32     0.14   0.68   0.85     1.05   0.29   0.99   0.56   0.45     1.17   0.82   1.21   0.67   1.06   1.16   0.45

RESPONSE:  09    AGE:  9       TEXT:  I Don't Know.

                                      Response did not occur at this age.

EXERCISE: 204054-1      UB246

Part 6.

RESPONSE:  00    AGE:  9       TEXT:  No Response.

     1972-73 P-VALUE          54.73    53.45  54.57  55.90  54.97    52.63  56.66    55.61  52.01  50.22    45.60  54.04  56.11  52.93  58.02    46.65  53.36  61.94  50.99  54.41  57.15  54.85
     1972-73 SE OF P-VAL       1.17     2.37   1.83   2.65   2.38     1.67   1.55     1.37   2.87   3.99     7.61   5.33   2.67   1.81   2.33     4.54   4.22   4.42   3.13   3.74   3.26   2.63
     1972-73 DELTA-P                   -1.28  -0.16   1.17   0.24    -2.10   1.93     0.88  -2.72  -4.51    -9.13  -0.69   1.38  -1.80   3.29    -8.08  -1.37   7.21  -3.74  -0.32   2.42   0.12
     1972-73 SE OF DP                   2.03   1.75   2.18   2.09     1.15   1.05     0.60   2.67   3.95     7.48   5.47   2.27   1.49   1.93     4.61   3.93   4.21   2.95   3.58   3.22   2.24

RESPONSE:  01*   AGE:  9       TEXT:  All Acceptable Responses.

     1972-73 P-VALUE          11.06    12.83   7.94  12.25  11.19    10.30  11.76    10.88  10.00  15.50    13.07  12.62   9.66  12.97   8.74    13.61   8.89  10.75  13.79  10.98  10.08  10.48
     1972-73 SE OF P-VAL       0.98     2.14   1.83   2.01   1.64     1.36   1.19     1.08   1.63   3.37     3.76   4.29   1.55   1.53   1.23     4.07   2.26   2.60   2.42   2.26   1.65   1.63
     1972-73 DELTA-P                    1.77  -3.12   1.19   0.13    -0.76   0.70    -0.18  -1.06   4.44     2.01   1.56  -1.40   1.91  -2.32*    2.55  -2.17  -0.31   2.73  -0.08  -0.98  -0.58
     1972-73 SE OF DP                   1.78   1.61   1.70   1.54     0.86   0.78     0.40   1.44   3.23     3.54   4.04   1.28   1.02   1.13     3.63   2.37   2.38   2.22   2.02   1.75   1.22

RESPONSE:  09    AGE:  9       TEXT:  I Don't Know.

     1972-73 P-VALUE           1.86     2.10   3.48   0.62   1.26     1.89   1.83     1.53   3.22   2.77     1.43   1.64   1.20   1.13   3.54     3.74   0.64   0.50   3.06   1.39   0.54   2.51
     1972-73 SE OF P-VAL       0.39     0.63   1.25   0.33   0.63     0.44   0.50     0.46   0.76   1.11     0.79   1.61   0.56   0.44   0.62     3.03   0.37   0.36   1.09   0.68   0.17   0.63
     1972-73 DELTA-P                    0.24   1.62  -1.24# -0.60     0.03  -0.03    -0.33*  1.36   0.91    -0.43  -0.22  -0.66  -0.73*  1.68#    1.88  -1.22* -1.36#  1.20  -0.47  -1.32#  0.65
     1972-73 SE OF DP                   0.59   0.97   0.45   0.60     0.27   0.25     0.16   0.74   1.10     0.73   1.38   0.38   0.33   0.49     2.80   0.52   0.52   1.02   0.70   0.42   0.53

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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NAEP #: 204061-1234
72-73 Report #: UP247

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Physical science

Exercise Type: Short answer
Scoring Type: Semi-professional
Administration Mode: Group

Age:	9	13	17IS	Adult
72-73 Package-Exercise:	03-08	09-29	01-16	05-04
72-73 National P-val: UP247	9.08	14.27	16.93	10.92
Timing: (in seconds)				
Stimulus:	4	5	4	4
Response:	20	16	16	*
UP247 Exercise total:	24	21	20	*

*Time not limited by paced tape.

EXERCISE: 204061-1234 UP247

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective III.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	8.89	7.93	9.79	10.46	7.30	9.55	8.19	6.39	20.11	14.80	10.89	10.20	8.59	6.37	14.70	14.61	15.78	2.24	13.79	7.74	7.37	8.08
1972-73 SE OF P-VAL	0.87	1.87	1.36	1.77	1.76	1.12	1.05	0.83	2.49	3.99	3.06	3.33	1.40	0.97	1.46	4.42	3.39	1.00	4.38	2.04	1.91	1.65
1972-73 DELTA-P		-0.96	0.90	1.57	-1.59	0.66	-0.70	-2.50#	11.22#	5.91	2.00	1.31	-0.30	-2.52#	1.81*	5.72	6.89*	-6.65#	4.96	-1.15	-1.52	-0.81
1972-73 SE OF DP		1.61	1.38	1.47	1.48	0.62	0.66	0.54	2.68	3.69	2.84	3.26	1.16	0.91	0.88	4.36	3.23	1.38	4.04	1.69	1.92	1.36
AGE: 13																						
1972-73 P-VALUE	8.60	4.60	12.09	4.67	13.07	8.28	8.95	6.88	15.03	18.64	15.28	10.82	9.23	5.23	12.29	7.39	25.70	2.58	16.54	9.92	4.59	6.61
1972-73 SE OF P-VAL	1.54	1.64	3.66	1.14	4.46	1.47	1.94	1.53	3.00	5.25	3.97	2.78	1.93	1.14	2.58	1.85	13.10	1.08	5.76	5.24	1.56	2.12
1972-73 DELTA-P		-4.00*	3.49	-3.93*	4.47	-0.32	0.35	-1.72#	6.43*	10.04*	6.68*	2.22	0.63	-3.27#	3.69	-1.21	17.10	-6.02#	7.94	1.32	-4.01*	-1.49
1972-73 SE OF DP		1.91	3.08	1.75	3.45	0.72	0.78	0.86	3.05	4.36	2.82	2.28	1.05	0.75	1.87	2.14	12.52	1.72	5.41	4.69	1.99	1.90
AGE: 17																						
1972-73 P-VALUE	4.46	5.20	3.95	3.98	4.54	4.08	4.83	3.39	12.62	5.28	6.96	6.53	4.50	2.47	13.60	1.32	10.58	3.59	6.75	7.48	4.11	2.56
1972-73 SE OF P-VAL	0.60	1.46	1.19	1.04	0.99	0.69	0.94	0.63	2.33	1.70	1.94	1.80	1.24	0.55	3.13	0.60	2.62	1.44	1.78	1.92	1.37	0.65
1972-73 DELTA-P		0.74	-0.50	-0.48	0.08	-0.38	0.37	-1.07#	8.16*	0.82	2.59	2.07	0.04	-1.99#	9.14#	-3.14#	6.12*	-0.87	2.33	3.02	-0.35	-1.60#
1972-73 SE OF DP		1.16	1.09	0.94	0.90	0.49	0.48	0.32	2.47	1.70	1.94	1.55	1.01	0.56	3.03	0.85	2.53	1.30	1.63	1.64	1.36	0.62
AGE: Ad																						
1972-73 P-VALUE	2.11	0.85	3.32	0.69	1.88	1.95	2.26	2.43	0.67	0.40	2.52	2.66	2.34	1.20	1.02	5.40	0.30	0.40	2.23	2.04	2.08	1.43
1972-73 SE OF P-VAL	0.72	0.33	2.78	0.25	1.50	0.79	0.73	0.81	0.50	0.43	1.52	1.51	0.61	0.62	1.02	6.21	0.31	0.81	2.02	1.21	0.84	0.51
1972-73 DELTA-P		-1.26	1.21	-1.42	1.77	-0.16	[illegible]	0.32#	-1.44#	-1.71#	0.41	0.55	0.23	-0.91	-1.09	7.29	-1.81*	-1.31	0.12	-0.07	-0.03	-0.68
1972-73 SE OF DP		0.75	2.22	0.74	1.27	0.23	[illegible]	0.10	0.53	0.68	0.96	0.91	0.63	0.80	0.97	5.60	0.80	1.06	1.96	1.36	1.02	0.63
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	9.08	7.56	8.51	11.31	8.54	8.95	9.21	9.92	6.28	4.92	5.89	5.73	9.52	10.07	8.80	9.93	5.05	12.76	5.11	10.41	9.91	8.88
1972-73 SE OF P-VAL	0.70	1.29	1.46	1.59	1.18	0.87	0.82	0.87	1.19	1.74	1.75	2.46	1.63	1.22	0.87	3.20	1.55	2.74	1.46	2.48	1.76	1.21
1972-73 DELTA-P		-1.52	-0.57	2.23	-0.54	-0.13	0.13	0.84#	[illegible]	-4.16*	-3.19	-3.35	0.44	0.99	-0.28	0.85	-4.03#	3.08	-3.97*	1.33	0.63	-0.20
1972-73 SE OF DP		1.18	1.29	1.27	1.08	[illegible]	0.49	0.28	1.36	1.71	1.69	2.32	1.30	0.99	0.77	2.95	1.59	2.59	1.61	2.36	1.72	0.95
AGE: 13																						
1972-73 P-VALUE	14.27	14.99	12.75	15.66	13.60	15.29	13.16	15.14	[illegible]	10.30	12.15	8.61	14.20	15.87	13.92	12.33	5.66	17.37	16.56	12.60	17.60	14.10
1972-73 SE OF P-VAL	1.09	2.25	2.01	2.84	1.38	1.41	1.39	1.28	2.01	2.49	3.21	1.91	1.75	1.68	2.69	2.37	2.62	3.59	3.91	2.39	2.05	1.67
1972-73 DELTA-P		0.72	-1.52	1.39	-0.67	1.02	-1.11	0.87*	-3.90	-3.97	-2.12	-5.65#	-0.07	1.60	-0.35	-1.94	-8.61#	3.10	2.29	-1.67	3.33	-0.17
1972-73 SE OF DP		1.94	1.83	2.26	1.45	0.84	0.93	0.37	2.01	2.67	2.96	2.22	1.32	1.22	2.44	2.06	2.90	3.35	3.47	2.19	2.00	1.40
AGE: 17																						
1972-73 P-VALUE	16.93	17.85	11.44	17.48	19.59	21.96	12.05	18.67	6.45	13.49	7.16	10.04	13.96	23.06	5.53	15.81	8.78	25.49	11.80	12.02	17.24	10.54
1972-73 SE OF P-VAL	1.21	1.84	1.70	2.31	3.11	1.70	1.37	1.27	1.51	4.66	2.43	2.26	1.87	1.65	2.25	2.61	2.23	3.55	2.04	2.04	2.15	2.29
1972-73 DELTA-P		0.92	-5.49#	0.55	2.66	5.03#	-4.88#	1.54#	-10.48#	-3.44	-9.77#	-6.89#	-2.97	6.13#	-11.40#	-1.12	-8.19#	8.56#	-5.13*	-4.91*	0.31	1.61
1972-73 SE OF DP		1.74	1.78	2.01	2.41	0.99	1.08	0.39	1.83	4.24	2.31	2.15	1.57	1.00	2.41	2.90	2.19	3.31	2.21	2.36	2.31	1.57
AGE: Ad																						
1972-73 P-VALUE	10.92	14.14	7.02	9.05	13.01	15.53	6.63	11.12	3.40	20.49	7.84	5.83	11.63	16.89	4.73	5.58	10.95	18.25	11.65	12.03	10.08	9.31
1972-73 SE OF P-VAL	0.94	1.80	1.45	1.00	2.72	1.35	1.20	1.00	1.37	6.80	1.55	1.52	1.65	2.32	2.92	1.81	1.56	3.27	2.77	2.15	1.79	1.49
1972-73 DELTA-P		3.22*	-3.90#	-1.87	2.09	4.61#	-4.29#	0.20	-7.52#	9.57	-3.08*	-5.09#	0.71	5.97#	-6.19	-5.34#	0.63	7.33*	0.73	1.11	-0.84	-1.61
1972-73 SE OF DP		1.58	1.45	1.14	2.11	0.92	0.85	0.49	1.66	6.52	1.45	1.60	1.45	1.70	3.14	1.84	3.38	2.95	2.67	2.04	1.64	1.14
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	42.42	48.62	41.51	33.81	46.86	36.75	48.49	41.95	41.13	51.55	41.11	36.29	39.43	38.47	48.00	24.70	54.58	43.91	43.67	45.53	39.86	42.25
1972-73 SE OF P-VAL	1.63	3.72	2.97	3.16	2.71	1.97	1.90	1.88	3.96	5.72	5.10	6.49	2.87	2.25	2.46	5.13	5.67	5.97	7.18	4.29	3.73	2.79
1972-73 DELTA-P		6.20	-0.91	-8.61#	4.44	-5.67#	6.07#	-0.47	-1.29	9.13	-1.31	-6.13	-2.99	-3.95	5.58#	-17.72#	12.16*	1.49	1.25	3.11	-2.56	-0.17
1972-73 SE OF DP		3.19	2.75	2.64	2.38	1.00	1.02	0.80	3.74	5.56	4.72	5.96	2.40	2.03	1.67	5.18	5.58	5.64	6.64	4.14	3.61	2.22
AGE: 13																						
1972-73 P-VALUE	18.78	13.28	23.51	18.48	19.87	15.37	22.48	17.54	26.21	21.47	23.21	23.77	17.20	17.07	22.15	28.67	21.17	8.70	13.59	13.71	21.58	21.52
1972-73 SE OF P-VAL	1.51	2.05	3.00	3.49	3.05	1.85	1.86	1.82	2.56	3.72	3.19	3.23	2.02	2.03	3.15	8.33	7.29	2.59	2.47	2.34	3.89	2.12
1972-73 DELTA-P		-5.50#	4.73	-0.30	1.09	-3.41#	3.70#	-1.24*	7.43#	2.69	4.43	4.99	-1.58	-1.71	3.37	9.89	2.39	-10.08#	-5.19	-5.07*	2.80	2.74
1972-73 SE OF DP		2.14	2.57	2.85	2.61	0.99	1.11	0.59	2.97	3.41	2.78	3.29	1.45	1.17	2.66	7.57	6.99	2.81	2.73	2.36	3.58	1.88

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 204061-1234 UP247

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

RESPONSE: 03 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	17.26	16.88	22.05	15.75	15.50	10.04	24.26	16.62	18.53	24.03	23.92	18.60	20.24	13.30	24.20	17.11	19.95	8.24	18.91	22.64	18.50	17.10
1972-73 SE OF P-VAL	1.14	2.62	1.50	1.90	2.36	1.42	1.76	1.24	2.41	3.61	4.09	2.93	2.00	1.44	4.34	1.81	2.62	2.61	3.16	2.79	3.20	1.98
1972-73 DELTA-P		-0.38	4.79#	-1.51	-1.76	-7.22#	7.00#	-0.64	1.27	6.77*	6.66	1.34	2.98*	-3.96#	6.94	-0.15	2.65	-9.02#	1.65	5.38	1.24	-0.16
1972-73 SE OF DP		2.10	1.60	1.74	1.96	1.12	1.21	0.47	2.37	3.36	3.88	2.93	1.49	0.96	4.61	1.98	2.50	2.67	3.27	2.73	2.87	1.35

AGE: Ad

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	46.98	47.24	49.72	50.62	40.50	34.06	59.00	45.40	60.27	45.78	53.62	52.05	46.07	35.99	69.65	50.92	54.39	30.31	47.37	43.17	40.97	52.83
1972-73 SE OF P-VAL	1.36	2.89	2.85	2.41	2.64	2.06	1.62	1.43	4.96	6.83	2.88	2.78	2.28	2.50	7.01	4.47	3.97	2.91	5.25	4.29	4.04	1.83
1972-73 DELTA-P		0.26	2.74	3.64	-6.48#	-12.92#	12.02#	-1.58*	13.29#	-1.20	6.64#	5.07	-0.91	-10.99#	22.67#	3.94	7.41	-16.67#	0.39	-3.81	-6.01	5.85#
1972-73 SE OF DP		2.45	2.57	2.06	2.29	1.34	1.21	0.78	4.64	6.52	2.11	2.56	1.93	2.36	7.05	4.16	3.80	2.94	4.88	4.12	3.64	1.57

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204062-34

72-73 Report #: 00248

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Unclassified

Exercise Type: Multiple part short answer using tables

Scoring Type: Professional

Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	01-24	06-23
72-73 National P-val:		
00248-1	53.47	48.60
00248-2	37.76	35.96
00248-3	23.83	26.12
Timing: (in seconds)		
Stimulus:	21	23
Response:	98	*
00248 Exercise total:	119	*

*Time not limited by paced tape.

EXERCISE: 204062-34 00248

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IID.

Part 1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	4.85	5.52	5.92	4.22	3.96	5.81	3.91	2.78	16.44	13.66	7.38	7.91	3.37	2.81	20.08	3.98	11.06	1.69	13.62	2.23	5.69	3.50
1972-73 SE OF P-VAL	0.62	1.54	1.32	0.95	1.00	0.81	0.87	0.45	3.33	2.98	2.06	1.90	0.77	0.60	6.10	1.68	3.28	0.92	3.78	0.99	1.71	0.73
1972-73 DELTA-P		0.67	1.07	-0.63	-0.89	0.96	-0.94	-2.07#	11.59#	8.81#	2.53	3.06	-1.48	-2.04#	15.23#	-0.87	6.21*	-3.16#	8.77#	-2.62*	0.84	-1.35
1972-73 SE OF DP		1.20	1.19	0.90	0.92	0.58	0.56	0.51	2.95	2.90	2.08	1.81	0.92	0.60	5.70	1.75	2.98	0.98	3.44	1.08	1.69	0.70
AGE: Ad																						
1972-73 P-VALUE	1.12	0.59	0.68	0.60	2.59	1.49	0.77	0.83	2.94	2.06	0.95	2.41	1.08	0.20	4.32	3.88	0.69	0.00	2.10	1.37	2.27	0.44
1972-73 SE OF P-VAL	0.25	0.23	0.35	0.37	0.85	0.38	0.25	0.29	1.43	1.68	0.39	0.74	0.39	0.20	2.85	1.58	0.48	0.00	1.80	0.92	0.73	0.26
1972-73 DELTA-P		-0.53	-0.44	-0.52	1.47*	0.37	-0.35	-0.29	1.82	0.94	-0.17	1.29*	-0.04	-0.92#	3.20	2.76	-0.43	-1.12#	0.98	0.25	1.15	-0.68
1972-73 SE OF DP		0.30	0.37	0.35	0.66	0.21	0.19	0.20	1.41	1.55	0.36	0.64	0.33	0.19	2.70	1.48	0.52	0.25	1.63	0.81	0.75	0.35
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	53.47	57.04	46.46	58.37	50.37	49.95	56.88	56.90	36.86	37.85	46.59	42.23	54.53	58.40	35.87	51.86	38.47	65.99	41.14	55.62	56.31	53.58
1972-73 SE OF P-VAL	1.35	2.46	3.08	2.16	2.83	1.99	1.95	1.40	3.16	4.90	4.78	3.47	2.23	2.30	5.50	3.61	4.24	2.86	3.44	2.97	3.71	2.59
1972-73 DELTA-P		3.57	-7.01#	4.90*	-3.10	-3.52*	3.41#	3.43#	-16.61#	-15.62#	-6.88	-11.24#	1.06	4.93#	-17.60#	-1.61	-15.00#	12.52#	-12.33#	2.15	2.84	0.11
1972-73 SE OF DP		2.12	2.71	1.99	2.36	1.48	1.47	0.69	2.07	4.48	4.56	3.18	2.23	1.64	5.32	3.57	4.04	2.84	3.67	2.98	3.56	1.85
AGE: Ad																						
1972-73 P-VALUE	48.60	49.55	44.58	49.01	50.41	46.33	50.70	53.38	22.80	23.63	37.00	40.49	53.81	62.59	19.36	45.78	33.76	59.91	48.28	52.81	50.78	46.84
1972-73 SE OF P-VAL	1.68	3.36	2.91	3.35	3.65	2.23	1.84	1.70	3.52	4.93	2.11	3.33	2.43	2.67	6.04	4.41	4.67	4.17	7.66	4.24	4.93	2.31
1972-73 DELTA-P		0.95	-4.02	0.41	1.81	-2.27	2.10	4.78#	-25.80#	-24.97#	-11.60#	-8.11#	5.21#	13.99#	-29.24#	-2.82	-14.84#	11.31#	-0.32	4.21	2.18	-1.76
1972-73 SE OF DP		2.88	2.83	2.79	3.06	1.20	1.12	0.69	3.37	4.68	1.92	2.77	1.85	2.15	5.69	4.48	4.73	3.77	6.95	4.06	4.56	1.98
RESPONSE: 03 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	5.39	4.39	7.40	3.87	6.37	5.26	5.52	3.60	14.01	15.45	13.67	8.42	5.48	2.88	10.83	7.04	20.59	1.16	6.70	6.07	3.82	3.79
1972-73 SE OF P-VAL	0.68	1.35	1.41	1.25	1.38	0.84	0.79	0.61	2.50	3.24	3.10	2.06	0.96	0.63	[illegible]	3.25	3.16	0.82	1.98	1.98	1.33	0.80
1972-73 DELTA-P		-1.00	2.01	-1.52	0.98	-0.13	0.13	-1.79#	8.62#	10.06#	8.28#	3.03	0.09	-2.51#	5.44*	1.65	15.20#	-4.23#	1.31	0.68	-1.57	-1.60*
1972-73 SE OF DP		[illegible]	1.30	1.09	1.16	0.47	0.45	0.41	2.34	3.01	2.86	1.76	0.79	0.59	2.21	3.89	3.06	0.96	1.87	1.82	1.33	0.72
AGE: Ad																						
1972-73 P-VALUE	16.53	19.55	21.60	14.80	11.30	17.40	15.72	12.54	36.12	41.17	26.30	21.51	12.76	4.26	49.47	17.21	35.16	6.67	16.41	16.69	11.74	16.80
1972-73 SE OF P-VAL	1.39	3.69	3.10	2.00	2.26	1.87	1.67	1.36	3.94	6.55	2.61	3.31	1.88	1.05	11.81	3.72	5.71	[illegible]	6.10	3.84	3.72	1.79
1972-73 DELTA-P		3.02	5.07	-1.73	-5.23*	0.87	-0.81	-3.99#	19.59#	24.64#	9.77#	4.98	-3.77*	-12.27#	32.94#	0.68	18.63#	-9.86#	-0.12	0.16	-4.79	0.27
1972-73 SE OF DP		2.91	2.79	1.94	2.10	1.13	1.06	0.74	3.66	6.26	2.10	2.07	1.60	1.43	11.27	3.66	5.33	2.37	5.51	3.54	3.65	1.59

EXERCISE: 204062-34 00248

Part 2.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	12.44	12.99	13.13	12.14	11.65	14.38	10.55	9.83	28.35	21.36	18.34	16.25	11.91	8.71	31.34	11.67	19.34	7.52	23.02	11.07	15.01	10.15
1972-73 SE OF P-VAL	1.02	2.07	1.99	1.85	1.65	1.16	1.40	0.94	3.85	3.36	3.64	2.42	1.83	0.94	7.50	3.27	3.91	1.81	5.18	2.85	3.68	1.34
1972-73 DELTA-P		0.55	0.69	-0.30	-0.79	1.94*	-1.89*	-2.61#	15.91#	8.92#	5.90	3.81	-0.53	-3.73#	18.90#	-0.77	6.90	-4.92#	10.58*	-1.37	2.57	-2.29
1972-73 SE OF DP		1.95	1.84	1.64	1.51	0.79	0.77	0.60	3.43	3.40	3.57	2.32	1.40	1.08	7.00	3.33	3.70	1.74	4.78	2.69	3.43	1.28
AGE: Ad																						
1972-73 P-VALUE	7.21	6.76	9.76	5.38	7.64	7.66	6.79	6.80	10.34	7.63	9.32	6.16	6.25	5.99	14.68	10.88	4.93	2.35	3.67	7.87	9.94	8.63
1972-73 SE OF P-VAL	0.65	0.96	1.69	[illegible]	1.44	0.81	0.96	0.74	2.22	2.62	1.39	1.23	0.89	1.31	6.03	3.30	1.50	0.92	2.04	2.21	2.48	1.04
1972-73 DELTA-P		-0.45	2.55	-1.83	0.43	0.45	-0.42	-0.41	3.13	0.42	2.11	-1.05	-0.96	-1.22	7.47	3.67	-2.28	-4.86#	-3.54	0.66	2.73	1.42
1972-73 SE OF DP		0.94	1.45	1.09	1.20	0.62	0.58	0.32	2.19	2.50	1.18	1.17	0.85	1.07	5.81	3.16	1.47	0.93	1.97	2.01	2.28	0.92
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	37.76	38.46	36.36	38.81	37.09	36.90	38.59	41.19	19.03	22.31	26.45	32.50	37.29	42.56	23.40	33.43	19.51	49.14	28.17	35.03	39.02	40.68
1972-73 SE OF P-VAL	1.37	1.61	2.89	3.18	3.10	1.94	1.51	1.44	2.10	3.36	3.89	2.84	1.90	1.92	5.84	3.44	2.77	3.62	2.99	3.18	3.52	2.17
1972-73 DELTA-P		0.70	-1.40	1.05	-0.67	-0.86	0.83	3.43#	-18.73#	-15.45#	-11.31#	-5.26	-0.47	4.80#	-14.36#	-4.33	-18.25#	11.38#	-9.59#	-2.73	1.26	2.92
1972-73 SE OF DP		1.75	2.63	2.68	2.52	1.08	1.04	0.53	2.38	3.36	3.96	2.73	1.59	1.29	5.50	3.65	3.01	3.29	3.26	3.16	3.28	1.61

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 204062-34 UU248

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IID.

Part 2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: AD TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	35.96	34.72	32.13	36.34	39.09	37.66	34.38	39.35	15.53	22.32	25.78	31.81	37.79	45.17	13.93	34.26	23.76	46.87	40.13	42.30	36.41	32.29
1972-73 SE OF P-VAL	1.43	3.24	2.48	2.02	2.65	2.00	1.74	1.57	3.27	3.91	2.15	2.57	2.11	2.72	5.39	3.92	4.06	4.86	5.52	3.39	3.30	2.10
1972-73 DELTA-P		-1.24	-3.03	0.38	3.93	1.70	-1.58	3.39#	-20.43#	-13.60#	-10.10#	-4.15	1.83	13.21#	-22.03#	-1.70	-12.20#	10.91*	4.17	6.34	0.45	-3.67*
1972-73 SE OF DP		2.67	2.30	2.35	2.34	1.24	1.15	0.65	3.24	3.79	1.90	2.17	1.72	2.30	5.12	3.98	3.93	4.39	4.90	3.27	3.24	1.79
RESPONSE: 03 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.24	4.85	8.65	5.20	6.05	5.63	6.83	4.50	[illegible]	5.45	14.94	9.52	6.41	3.68	10.83	8.50	21.87	1.61	7.13	6.90	4.68	4.67
1972-73 SE OF P-VAL	0.76	1.51	1.61	1.69	1.25	0.89	0.89	0.72	[illegible]	3.24	3.26	2.02	1.11	0.62	2.50	3.26	2.05	0.92	2.04	1.06	1.76	0.96
1972-73 DELTA-P		-1.39	2.41	-1.04	0.61	-0.61	0.59	-1.74#	8.68#	9.21#	8.70#	3.28	0.17	-2.56#	4.59*	2.26	15.63#	-4.63#	6.09	0.74	-1.56	-1.57*
1972-73 SE OF DP		1.26	1.48	1.39	1.15	0.47	0.46	0.40	2.39	3.04	2.96	1.73	0.78	0.64	2.29	3.10	2.87	1.04	1.96	1.76	1.61	0.73
AGE: AD																						
1972-73 P-VALUE	17.81	20.55	22.70	15.44	13.64	17.95	17.68	13.93	36.80	41.99	28.31	21.55	[illegible]	5.31	56.47	19.15	37.75	7.18	18.03	17.36	13.69	17.97
1972-73 SE OF P-VAL	1.41	3.05	3.16	2.06	2.10	1.05	1.72	1.42	3.98	6.39	2.60	2.88	[illegible]	1.27	11.85	4.26	5.98	2.25	6.16	3.80	3.62	1.83
1972-73 DELTA-P		2.74	4.97	-2.37	-4.17*	0.18	-0.13	-3.88#	18.99#	24.18#	10.50#	3.74	[illegible]	-12.50#	32.66#	1.34	19.34#	-16.63#	0.22	-0.45	-4.12	0.16
1972-73 SE OF DP		3.02	2.84	1.99	2.03	1.13	1.06	0.74	3.67	6.17	2.10	2.48	1.64	1.51	11.35	4.13	5.52	2.38	5.52	3.47	3.55	1.67

EXERCISE: 204062-34 UU248

Part 3.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	28.03	29.00	29.48	25.69	28.28	30.22	25.90	25.60	42.68	36.64	34.19	33.18	27.08	24.29	46.62	27.25	33.76	25.05	39.75	26.34	30.46	25.22
1972-73 SE OF P-VAL	1.45	3.35	2.44	2.26	2.91	1.00	1.71	1.46	4.53	3.57	4.15	2.90	2.00	1.70	8.61	4.69	2.95	3.21	7.38	4.11	3.99	1.98
1972-73 DELTA-P		0.97	1.45	-2.43	0.25	2.19*	-2.13*	-2.43#	14.65#	8.61*	6.16	5.15	-0.95	-3.74#	18.59*	-0.78	5.73	-2.90	11.72	-1.69	2.43	-2.81
1972-73 SE OF DP		2.80	2.38	2.14	2.46	1.01	0.96	0.66	4.24	3.59	4.24	2.84	1.53	1.27	7.88	4.65	2.97	3.11	6.78	3.89	3.73	1.65
AGE: AD																						
1972-73 P-VALUE	14.60	12.53	13.03	14.48	17.46	12.97	16.11	14.27	16.77	15.54	17.42	13.24	13.52	12.62	25.32	18.16	14.45	12.26	16.68	11.87	16.62	14.53
1972-73 SE OF P-VAL	1.03	2.21	1.86	1.95	2.15	1.20	1.49	1.03	3.41	3.65	1.96	2.16	1.66	1.60	7.47	2.47	2.59	2.70	3.75	2.96	2.93	1.49
1972-73 DELTA-P		-2.07	-0.77	-0.12	2.86	-1.63	1.51	-0.33	2.17	0.98	2.82	-1.36	-1.08	-1.98	10.72	3.56	-0.15	-2.34	2.08	-2.73	2.02	-0.07
1972-73 SE OF DP		1.85	1.76	1.65	1.86	0.92	0.85	0.37	3.06	3.53	1.58	1.97	1.37	1.26	7.39	2.42	2.89	2.31	3.44	2.73	2.67	1.25
RESPONSE: 01* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P VALUE	23.83	25.75	16.98	27.50	23.49	22.40	25.21	26.02	9.73	17.67	15.00	13.67	22.50	29.00	15.39	19.09	13.52	32.85	20.50	27.16	21.95	23.67
1972-73 SE OF P-VAL	1.33	2.61	1.63	2.37	3.20	1.73	1.73	1.50	2.25	3.61	3.19	2.84	1.90	1.76	5.17	2.91	[illegible]	3.69	3.52	4.56	2.00	2.13
1972-73 DELTA-P		1.32	-6.85#	3.67	-0.34	-1.43	1.38	2.19#	-14.10#	-6.16	-8.03#	-10.16#	-1.33	5.17#	-8.44	-4.74	-10.31#	9.02#	-3.33	3.33	-1.88	-0.16
1972-73 SE OF DP		2.19	1.82	2.11	2.56	1.13	1.07	0.43	2.52	3.79	3.00	2.69	1.84	0.94	4.87	2.98	3.38	3.60	3.59	4.15	2.57	1.46
AGE: AD																						
1972-73 P-VALUE	26.12	25.29	28.54	24.18	27.16	27.10	25.21	28.26	14.20	15.67	18.77	20.95	28.12	36.99	3.24	21.01	13.91	33.49	[illegible]	29.96	33.24	24.11
1972-73 SE OF P-VAL	1.41	2.91	2.10	2.72	3.02	1.67	1.86	1.60	2.83	2.99	1.96	2.96	2.41	2.63	2.41	3.91	2.41	5.09	[illegible]	3.45	3.44	2.22
1972-73 DELTA-P		-0.83	2.42	-1.94	1.08	0.98	-0.91	2.14#	-11.92#	-10.45#	-7.35#	-5.17*	2.00	10.87	-22.88#	-5.11	-12.21#	7.37	[illegible]	3.84	7.12*	-2.01
1972-73 SE OF DP		2.46	2.13	2.26	2.54	1.12	1.03	0.47	2.99	3.15	1.69	2.54	1.98	2.22	2.29	3.99	2.73	4.59	[illegible]	3.09	3.30	1.86
RESPONSE: 03 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	9.78	8.44	14.04	9.17	9.89	7.72	11.78	8.30	16.73	18.44	10.18	13.91	11.05	6.28	15.17	10.85	24.46	4.16	9.97	11.56	7.80	8.00
1972-73 SE OF P-VAL	0.92	1.75	2.00	1.89	1.66	1.18	1.12	0.98	2.91	3.59	3.27	2.48	1.46	0.95	3.06	3.60	3.34	1.57	2.09	2.00	2.34	1.25
1972-73 DELTA-P		-1.34	4.26*	-1.61	-0.29	-2.06#	2.00#	-1.48#	6.95#	8.66#	8.40#	4.13	1.27	-3.50#	5.39	1.07	14.68#	-5.62#	0.19	1.70	-1.98	-0.98
1972-73 SE OF DP		1.49	1.80	1.59	1.46	0.68	0.67	0.43	2.77	3.40	2.94	2.21	1.05	0.83	2.98	3.47	3.41	1.57	2.04	2.64	2.13	0.94
AGE: AD																						
1972-73 P-VALUE	22.04	24.53	25.61	21.37	17.39	20.92	23.08	18.51	38.71	45.17	31.72	29.63	18.51	8.47	50.48	22.75	41.37	9.71	20.59	21.68	17.32	23.48
1972-73 SE OF P-VAL	1.46	4.06	3.12	1.99	2.22	1.88	1.97	1.51	3.91	5.98	2.66	3.31	2.31	1.43	11.85	4.19	5.80	1.92	6.25	3.56	3.02	2.04
1972-73 DELTA-P		2.49	3.57	-0.67	-4.65*	-1.12	[illegible]	-3.53#	16.67#	23.13#	9.68#	7.59#	-3.53	-13.57#	28.44*	0.71	19.33#	-12.33#	-1.45	-0.36	-4.72	1.44
1972-73 SE OF DP		3.16	2.83	1.97	2.13	1.30	1.20	0.72	3.58	5.09	2.30	2.91	1.77	1.56	11.41	4.05	5.32	2.11	5.62	3.31	3.72	1.72

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204064-1

72-73 Report #: UU249

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Unclassified

Exercise Type: Multiple part multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	05-19

72-73 National P-val:

UU249A	80.53
UU249B	78.83
UU249C	69.01
UU249D	78.90
UU249E	77.05
UU249F	83.96
UU249G	81.48

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Timing: (in seconds)
   UU249          Introduction:  26
                      Stimulus:   4
                      Response:   6
                  I don't know:   5
                         Pause:   4
   UU249A          Part total:  19
                      Stimulus:   4
                      Response:   6
                  I don't know:   1
                         Pause:   4
                    Turn page:  (6)
   UU249B          Part total:  15**
                      Stimulus:   2
                      Response:   6
                  I don't know:   1
                         Pause:   4
   UU249C          Part total:  13
                      Stimulus:   3
                      Response:   6
                  I don't know:   1
                         Pause:   4
   UU249D          Part total:  14
                      Stimulus:   3
                      Response:   6
                  I don't know:   1
                         Pause:   4
   UU249E          Part total:  14
                      Stimulus:   3
                      Response:   6
                  I don't know:   1
                         Pause:   4
   UU249F          Part total:  14
                      Stimulus:   3
                      Response:   6
                  I don't know:   1
                         Pause:   5
   UU249G          Part total:  15
   UU249       Exercise total:  130
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**Time to turn page is not included in total times.

EXERCISE: 204064-1 00249

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IID.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	2.70	2.40	4.73	1.95	1.77	3.31	2.10	2.05	5.08	4.48	4.57	0.00	2.53	1.21	4.14	3.31	6.16	1.25	3.84	2.11	2.81	1.92
1972-73 SE OF P-VAL	0.40	0.90	1.04	0.61	0.48	0.57	0.46	0.36	1.07	2.01	1.90	0.00	0.70	0.36	0.81	1.22	1.32	0.83	1.69	0.76	0.85	0.58
1972-73 DELTA-P		-0.30	2.03*	-0.75	-0.93	0.61	-0.60	-0.65*	2.38#	1.78	1.87	-2.70#	-0.17	-1.49#	1.44#	0.61	3.46#	-1.45	1.14	-0.59	0.11	-0.78
1972-73 SE OF DP		0.76	0.84	0.58	0.51	0.33	0.32	0.27	0.89	1.83	1.83	0.40	0.71	0.39	0.54	1.16	1.23	0.79	1.49	0.70	0.85	0.51
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	80.53	80.28	76.51	84.39	80.80	77.54	83.51	83.93	66.28	74.96	78.12	78.83	82.26	86.59	75.03	79.96	63.57	86.68	76.86	85.21	85.14	80.95
1972-73 SE OF P-VAL	0.90	2.44	1.29	1.19	2.05	1.69	1.03	0.97	1.97	3.53	3.17	5.10	1.92	1.26	1.27	3.55	2.82	3.26	2.30	2.58	2.32	1.36
1972-73 DELTA-P		-0.25	-4.02#	3.86#	0.27	-2.99#	2.98#	3.40#	-14.25#	-5.57	-2.41	-1.70	1.73	6.06#	-5.50#	-0.57	-16.96#	6.15*	-3.67	4.68*	4.61*	0.42
1972-73 SE OF DP		1.97	1.32	1.22	1.70	1.00	1.06	0.56	1.87	3.24	3.23	4.66	1.50	1.10	1.00	3.47	2.62	2.79	2.19	2.20	2.30	1.41
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	6.40	4.74	7.26	5.11	8.42	7.43	5.38	5.62	8.32	10.46	5.83	6.20	4.79	3.33	9.91	8.09	10.47	3.74	6.94	6.41	6.08	5.86
1972-73 SE OF P-VAL	0.57	0.90	1.15	0.95	1.38	1.01	0.67	0.57	1.33	2.93	1.82	2.83	1.05	0.79	1.10	2.51	2.22	1.02	1.97	1.84	1.19	0.95
1972-73 DELTA-P		-1.66	0.86	-1.29	2.02	1.03	-1.02	-0.78*	1.92	4.06	-0.57	-0.20	-1.61	-3.07#	3.51#	1.69	4.07	-2.66#	0.54	0.01	-0.32	-0.54
1972-73 SE OF DP		0.87	0.99	0.87	1.11	0.64	0.65	0.34	1.23	2.70	1.82	2.67	0.92	0.82	0.78	2.39	2.09	1.04	1.81	1.61	1.28	0.84

EXERCISE: 204064-1 00249

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	3.35	4.66	3.10	2.92	2.79	3.50	3.20	2.11	7.39	7.76	4.62	2.77	4.15	2.10	3.91	3.17	9.69	3.59	2.62	3.25	3.20	2.06
1972-73 SE OF P-VAL	0.45	0.93	0.58	0.91	1.10	0.57	0.57	0.46	1.46	2.69	1.77	1.46	1.10	0.65	0.84	2.10	1.94	1.16	1.15	1.97	0.93	0.56
1972-73 DELTA-P		1.31	-0.25	-0.43	-0.56	0.15	-0.15	-1.24#	4.04#	4.41	1.27	-0.58	0.80	-1.25*	0.56	-0.18	6.34#	0.24	-0.73	-0.10	-0.15	-1.29*
1972-73 SE OF DP		0.81	0.61	0.78	0.89	0.35	0.35	0.33	1.41	2.51	1.65	1.39	0.96	0.56	0.70	1.99	1.93	1.03	1.10	1.84	0.88	0.54
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	78.83	79.89	77.74	78.91	78.80	77.17	80.48	82.99	61.86	70.96	68.54	76.30	82.25	84.85	73.57	78.82	59.26	85.42	76.38	81.40	80.09	80.97
1972-73 SE OF P-VAL	1.00	2.24	1.69	1.91	2.19	1.77	1.32	1.09	2.54	4.10	4.52	5.03	2.23	1.32	1.50	3.02	3.01	2.94	2.54	2.11	2.62	1.62
1972-73 DELTA-P		1.06	-1.09	0.08	-0.03	-1.66	1.65	4.16#	-16.97#	-7.87*	-10.29*	-2.53	3.42	6.02#	-5.26#	-0.01	-19.57#	6.59#	-2.45	2.57	1.26	2.14
1972-73 SE OF DP		1.98	1.57	1.67	1.83	1.20	1.18	0.63	2.41	3.88	4.72	4.68	1.03	1.06	1.12	2.99	2.97	2.50	2.17	1.85	2.54	1.46
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	9.78	8.48	11.09	8.61	10.91	10.95	8.62	8.60	14.37	12.46	14.82	9.41	6.70	5.33	14.54	10.77	14.92	5.50	11.79	7.59	9.65	9.83
1972-73 SE OF P-VAL	0.60	1.33	1.18	0.93	1.29	1.02	0.91	0.71	1.98	2.31	3.18	2.69	1.25	0.91	1.29	1.85	2.09	1.38	2.00	1.68	1.59	1.15
1972-73 DELTA-P		-1.30	1.31	-1.17	1.13	1.17	-1.16	-1.18#	4.59*	2.68	5.04	-0.37	-3.08#	-4.45#	4.76#	0.99	5.14*	-4.28#	2.01	-2.19	-0.13	0.05
1972-73 SE OF DP		1.13	1.03	0.88	1.09	0.76	0.74	0.42	1.85	2.25	3.24	2.62	1.16	0.87	0.95	1.83	2.13	1.30	1.79	1.59	1.53	0.94

EXERCISE: 204064-1 00249

Part C.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	1.99	2.82	2.01	2.21	0.97	2.46	1.53	1.17	5.33	3.58	1.55	0.22	2.07	1.33	2.77	0.55	8.57	1.07	1.95	4.11	1.27	0.64
1972-73 SE OF P-VAL	0.36	0.95	0.69	0.74	0.38	0.45	0.47	0.35	1.60	1.41	0.81	0.22	0.59	0.55	0.70	0.45	2.30	0.60	0.94	1.84	0.80	0.29
1972-73 DELTA-P		0.83	0.02	0.22	-1.02*	0.47	-0.46	-0.82#	3.34*	1.59	-0.44	-1.77#	0.08	-0.66	0.78	-1.44#	6.58#	-0.92	-0.04	2.12	-0.72	-1.35#
1972-73 SE OF DP		0.77	0.61	0.63	0.45	0.28	0.28	0.30	1.41	1.34	0.80	0.40	0.60	0.44	0.47	0.52	2.19	0.64	0.83	1.72	0.80	0.39
RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	69.01	69.63	64.67	71.81	69.82	67.08	70.93	71.69	56.85	66.50	56.45	61.18	73.72	75.10	63.95	65.29	51.45	78.89	74.53	68.42	74.23	66.72
1972-73 SE OF P-VAL	1.03	2.02	1.95	2.23	2.03	1.37	1.19	1.26	2.62	4.29	4.50	5.90	2.30	1.66	1.80	3.45	2.27	2.91	2.13	3.60	2.75	1.97
1972-73 DELTA-P		0.62	-4.34*	2.80	0.81	-1.93*	1.92*	2.68#	-12.16#	-2.51	-12.56#	-7.83	4.71*	6.09#	-5.06#	-3.72	-17.56#	9.88#	5.52#	-0.59	5.22*	-2.29
1972-73 SE OF DP		1.77	1.74	1.87	1.76	0.78	0.77	0.69	2.46	4.23	4.52	5.66	2.02	1.46	1.44	3.52	2.29	2.81	2.09	3.37	2.60	1.54

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 204064-1 00249

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IID.

Part C.

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	10.59	9.57	10.56	9.78	12.39	10.62	10.56	10.06	11.90	13.35	11.97	11.89	7.57	5.72	15.92	13.33	14.25	7.32	12.38	9.72	8.63	10.50
1972-73 SE OF P-VAL	0.74	1.64	1.23	1.14	1.63	0.91	0.96	0.92	2.32	2.96	2.44	3.45	1.04	1.15	1.35	2.75	3.08	1.73	2.57	1.86	1.22	1.32
1972-73 DELTA-P		-1.02	-0.03	-0.81	1.80	0.03	-0.03	-0.53	1.31	2.76	1.38	1.30	-3.02#	-4.87#	5.33#	2.74	3.66	-3.27	1.79	-0.87	-1.96	-0.09
1972-73 SE OF DP		1.38	1.14	1.08	1.33	0.58	0.58	0.52	2.19	2.96	2.37	3.18	1.00	1.03	1.00	2.66	3.00	1.81	2.30	1.78	1.28	1.06

EXERCISE: 204064-1 00249

Part D.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.64	3.36	2.82	2.89	1.54	3.28	2.01	2.05	4.86	4.16	3.20	3.80	2.72	1.82	3.08	1.73	5.68	1.80	3.64	3.89	1.71	1.92
1972-73 SE OF P-VAL	0.37	1.03	0.69	0.69	0.46	0.52	0.44	0.43	1.31	1.57	1.35	1.94	0.75	0.45	0.83	0.90	1.79	0.94	1.24	1.89	0.90	0.47
1972-73 DELTA-P		0.72	0.18	0.25	-1.10*	0.64*	-0.63*	-0.59*	2.22	1.52	0.56	1.16	0.08	-0.82	0.44	-0.91	3.24	-0.84	1.00	1.25	-0.93	-0.72
1972-73 SE OF DP		0.84	0.62	0.61	0.48	0.31	0.31	0.28	1.25	1.45	1.33	1.82	0.69	0.48	0.62	0.89	1.76	0.87	1.11	1.77	0.89	0.44

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	78.90	81.41	72.00	82.27	79.82	76.59	81.20	82.94	62.00	72.17	71.23	77.63	81.72	84.35	73.95	72.51	65.45	88.74	74.82	85.65	84.61	77.58
1972-73 SE OF P-VAL	1.08	2.80	1.48	2.09	1.71	1.38	1.27	1.22	2.62	4.19	5.37	4.18	1.87	1.21	1.69	4.01	3.15	3.16	2.79	1.73	2.23	2.11
1972-73 DELTA-P		2.51	-6.90#	3.37	0.92	-2.31#	2.30#	4.04#	-16.90#	-6.73	-7.67	-1.27	2.82	5.45#	-4.95#	-6.39	-13.45#	9.84#	-4.08	6.75#	5.71#	-1.32
1972-73 SE OF DP		2.26	1.48	1.79	1.63	0.81	0.79	0.72	2.43	4.11	5.27	3.78	1.55	0.97	1.22	4.04	3.08	2.85	2.78	1.86	2.20	1.73

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.59	4.73	5.36	3.13	5.18	5.50	3.68	3.63	7.08	9.41	7.08	2.04	3.15	3.04	6.64	6.55	8.57	2.07	8.98	2.04	3.56	3.49
1972-73 SE OF P-VAL	0.43	0.95	0.93	0.76	0.69	0.77	0.51	0.49	0.85	2.21	3.13	1.25	0.80	0.57	0.90	1.89	1.71	0.83	1.71	0.79	0.89	0.63
1972-73 DELTA-P		0.14	0.77	-1.46*	0.59	0.91	-0.91	-0.96#	2.49#	4.82*	2.49	-2.55*	-1.44	-1.55#	2.05#	1.96	3.98*	-2.52#	4.39#	-2.55#	-1.03	-1.10
1972-73 SE OF DP		0.81	0.78	0.67	0.64	0.50	0.49	0.28	0.80	2.14	3.05	1.26	0.83	0.54	0.65	1.79	1.64	0.81	1.60	0.81	0.84	0.61

EXERCISE: 204064-1 00249

Part E.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.01	2.55	2.54	1.37	1.63	1.92	2.10	1.58	3.43	3.50	5.53	0.59	2.37	1.38	2.10	1.06	3.64	3.05	2.56	2.28	1.59	1.27
1972-73 SE OF P-VAL	0.34	0.82	0.89	0.42	0.47	0.41	0.67	0.40	1.01	1.36	2.90	0.44	0.92	0.52	0.53	0.46	1.20	1.05	0.94	0.98	0.77	0.62
1972-73 DELTA-P		0.54	0.53	-0.64	-0.38	-0.09	0.09	-0.43	1.42	1.49	3.52	-1.42#	0.36	-0.63	0.09	-0.95	1.63	1.04	0.55	0.27	-0.42	-0.74
1972-73 SE OF DP		0.68	0.72	0.45	0.47	0.44	0.44	0.22	0.94	1.30	2.72	0.51	0.88	0.45	0.44	0.52	1.19	0.94	0.84	0.95	0.76	0.48

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	77.05	77.56	72.17	79.45	78.88	75.48	78.62	80.12	64.22	71.90	67.30	73.30	81.09	82.77	71.80	73.93	65.35	82.80	72.76	81.21	82.30	77.11
1972-73 SE OF P-VAL	0.93	2.01	1.45	2.16	1.52	1.27	1.42	1.03	2.59	3.08	3.39	5.69	2.31	1.60	1.62	3.81	3.15	2.57	2.38	2.66	2.47	1.75
1972-73 DELTA-P		0.51	-4.88#	2.40	1.83	-1.57	1.57	3.07#	-12.83#	-5.15	-9.75#	-3.75	4.04	5.72#	-5.25#	-3.12	-11.70#	5.75*	-4.29	4.16	5.25*	0.06
1972-73 SE OF DP		1.71	1.35	1.76	1.43	1.01	0.97	0.60	2.47	2.89	3.38	5.63	2.22	1.29	1.26	3.76	3.08	2.35	2.19	2.56	2.47	1.52

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.43	4.88	7.78	6.21	6.81	7.88	4.99	5.89	7.80	9.20	8.44	4.24	3.36	3.93	10.13	7.06	8.84	3.39	8.85	4.04	6.88	6.46
1972-73 SE OF P-VAL	0.47	0.85	0.79	1.11	0.91	0.81	0.62	0.58	1.35	2.11	2.99	1.83	0.83	0.69	1.03	1.55	1.28	1.35	1.87	1.45	1.02	0.88
1972-73 DELTA-P		-1.55*	1.35	-0.22	0.38	1.45#	-1.44#	-0.54	1.37	2.77	2.01	-2.19	-3.07#	-2.50#	3.70#	0.63	2.41	-3.04*	2.46	-2.39	0.45	0.03
1972-73 SE OF DP		0.76	0.74	0.90	0.78	0.56	0.55	0.35	1.30	2.05	2.90	1.79	0.75	0.70	0.81	1.59	1.36	1.28	1.66	1.41	1.03	0.75

EXERCISE: 204064-1 00249

Part F.

RESPONSE: 00 AGE: 9 TEXT: No Response

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.24	2.74	[illegible]	2.55	1.57	2.50	1.98	1.68	4.13	4.13	7.17	1.64	2.92	0.74	2.62	1.45	6.05	1.94	2.47	3.56	1.59	1.29
1972-73 SE OF P-VAL	0.34	0.74	0.55	0.82	0.49	0.45	0.49	0.40	0.92	1.89	3.13	1.16	0.94	0.31	0.76	0.53	1.47	0.99	1.01	1.87	0.77	0.36
1972-73 DELTA-P		0.50	-0.12	0.31	-0.67	0.26	-0.26	-0.56*	1.89*	1.89	4.93	-0.60	0.68	-1.50#	0.38	-0.79	3.85#	-0.30	0.23	1.32	-0.65	-0.95*
1972-73 SE OF DP		0.63	0.51	0.66	0.47	0.33	0.33	0.24	0.88	1.38	3.06	1.10	0.90	0.44	0.55	0.57	1.46	0.90	0.91	1.71	0.76	0.39

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 204064-1 UU249

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IID.

Part F.

RESPONSE: 02* AGE: 9

TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	83.96	85.94	79.70	85.63	84.53	81.20	86.71	87.56	71.56	72.47	74.23	77.76	88.53	88.60	79.65	83.52	68.26	91.01	82.16	85.58	86.93	84.47
1972-73 SE OF P-VAL	0.78	1.84	1.16	1.49	1.44	1.15	1.07	0.87	2.69	3.63	4.62	5.01	1.62	1.19	1.43	2.65	2.93	2.19	2.34	1.50	1.58	1.64
1972-73 DELTA-P		1.98	-4.26#	1.67	0.57	-2.76#	2.75#	3.60#	-12.40#	-11.49#	-9.73*	-6.20	4.57#	4.64#	-4.31#	-0.44	-15.70#	7.05#	-1.80	1.62	2.97	0.51
1972-73 SE OF DP		1.51	1.12	1.29	1.27	0.82	0.82	0.63	2.48	3.52	4.52	4.73	1.61	1.06	1.14	2.70	2.74	2.09	2.26	1.46	1.54	1.28

RESPONSE: 09 AGE: 9

TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.31	3.84	7.46	4.28	5.64	6.65	3.97	4.85	6.44	7.74	7.55	5.94	2.16	3.71	7.92	6.01	7.72	3.10	5.76	2.76	4.50	6.29
1972-73 SE OF P-VAL	0.39	0.68	0.81	0.83	0.60	0.70	0.57	0.51	1.15	1.42	1.57	2.69	0.60	0.67	0.94	0.96	1.42	0.98	1.66	0.96	0.94	0.96
1972-73 DELTA-P		-1.47*	2.15#	-1.03	0.33	1.34#	-1.34#	-0.46	1.13	2.43	2.24	0.63	-3.15#	-1.60*	2.61#	0.70	2.41	-2.21*	0.45	-2.55#	-0.81	0.98
1972-73 SE OF DP		0.62	0.68	0.69	0.57	0.51	0.50	0.27	1.13	1.84	1.54	2.56	0.63	0.66	0.75	1.07	1.43	0.99	1.55	1.00	0.91	0.73

EXERCISE: 204064-1 UU249

Part G.

RESPONSE: 00 AGE: 9

TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.25	1.42	1.54	1.08	0.97	1.42	1.08	0.85	2.72	2.33	2.94	0.58	1.59	0.87	1.27	0.64	4.17	0.70	1.17	1.48	1.69	0.68
1972-73 SE OF P-VAL	0.24	0.43	0.64	0.46	0.36	0.38	0.30	0.26	0.75	0.98	1.32	0.44	0.64	0.34	0.41	0.36	1.24	0.43	0.64	1.03	0.75	0.41
1972-73 DELTA-P		0.17	0.29	-0.17	-0.28	0.17	-0.17	-0.40#	1.47*	1.08	1.69	-0.67	0.34	-0.38	0.02	-0.61	2.92*	-0.55	-0.08	0.23	0.44	-0.57
1972-73 SE OF DP		0.39	0.52	0.40	0.35	0.25	0.24	0.16	0.67	0.95	1.27	0.46	0.54	0.35	0.29	0.41	1.20	0.48	0.62	0.96	0.70	0.34

RESPONSE: 02* AGE: 9

TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	81.48	82.56	79.23	82.64	81.47	78.73	84.22	84.80	70.73	69.39	60.47	79.54	85.40	87.91	76.86	81.52	67.09	8[illegible].74	81.25	82.96	81.47	82.32
1972-73 SE OF P-VAL	0.80	1.92	1.33	1.06	1.89	1.10	1.12	0.77	1.81	4.71	3.83	4.58	1.65	1.40	1.46	4.21	3.09	[illegible].59	3.25	1.83	1.65	1.34
1972-73 DELTA-P		1.08	-2.25	1.16	-0.01	-2.75#	2.74#	3.32#	-10.75#	-12.09#	-21.01#	-1.94	3.92*	6.43#	-4.62#	0.04	-14.39#	6.26#	-0.23	1.48	-0.01	0.84
1972-73 SE OF DP		1.58	1.26	1.08	1.54	0.81	0.78	0.62	1.61	4.38	3.62	4.60	1.69	1.34	1.09	4.01	2.89	1.68	2.96	1.77	1.70	1.21

RESPONSE: 09 AGE: 9

TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	7.22	7.01	8.19	5.73	7.97	8.84	5.60	6.02	9.51	14.84	16.71	8.10	4.95	3.46	10.28	10.33	5.16	5.03	9.40	5.53	5.83	6.95
1972-73 SE OF P-VAL	0.59	1.25	0.84	0.83	1.49	0.90	0.68	0.62	1.54	4.65	3.33	3.07	1.11	0.72	1.20	3.40	1.91	1.20	2.23	1.13	1.15	1.13
1972-73 DELTA-P		-0.21	0.97	-1.49	0.75	1.62#	-1.62#	-1.20*	2.29	7.62	9.49#	0.88	-2.27*	-3.76#	3.06#	3.11	1.94	-2.19	2.18	-1.69	-1.39	-0.27
1972-73 SE OF DP		1.07	0.83	0.81	1.18	0.55	0.54	0.54	1.42	4.39	3.05	2.94	1.12	0.81	0.90	3.21	1.90	1.22	2.06	1.18	1.17	0.95

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NAEP #: 204070-3

72-73 Report #: UP250

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 17IS
72-73 Package-Exercise: 05-19

72-73 National P-val:
UP250 69.14

Timing: (in seconds)
Stimulus: 56
Response: 6
I don't know: 5
Pause: 5
UP250 Exercise total: 72

EXERCISE: 204070-3 UP250

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.13	0.43	0.07	0.00	0.00	0.00	0.24	0.16	0.00	0.00	0.00	0.00	0.00	0.25	0.21	0.00	0.00	0.83	0.00	0.00	0.11	0.00
1972-73 SE OF P-VAL	0.11	0.43	0.07	0.00	0.00	0.00	0.21	0.14	0.00	0.00	0.00	0.00	0.00	0.24	0.21	0.00	0.00	0.82	0.00	0.00	0.11	0.00
1972-73 DELTA-P		0.30	-0.06	-0.13	-0.13	-0.13	0.11	0.03	-0.13	-0.13	-0.13	-0.13	-0.13	0.12	0.08	-0.13	-0.13	0.70	-0.13	-0.13	-0.02	-0.13
1972-73 SE OF DP		0.31	0.13	0.11	0.11	0.11	0.10	0.03	0.11	0.11	0.11	0.11	0.11	0.13	0.23	0.11	0.11	0.71	0.11	0.11	0.15	0.11
RESPONSE: 02* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	69.14	66.56	74.37	67.58	69.47	72.81	66.37	73.36	50.08	51.07	62.66	67.05	67.42	74.71	49.03	75.94	48.57	74.13	62.45	71.61	69.55	71.15
1972-73 SE OF P-VAL	1.30	1.74	2.75	2.55	3.09	1.93	1.60	1.27	2.95	4.54	4.83	3.88	2.10	1.68	3.82	3.51	4.26	3.58	6.56	3.50	2.20	2.22
1972-73 DELTA-P		-2.58	5.23*	-1.56	0.33	3.27#	-2.77*	4.22#	-19.06#	-18.07#	-6.48	-2.09	-1.72	5.57#	-20.11#	6.80*	-20.57#	4.99	-6.69	2.47	0.41	2.01
1972-73 SE OF DP		1.72	2.46	2.10	2.59	1.26	1.12	0.90	2.73	4.25	4.74	3.59	1.65	1.37	3.82	3.35	4.18	3.35	6.56	3.22	2.19	1.70
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.13	5.04	2.38	2.49	2.43	1.96	4.13	2.78	6.03	1.84	3.00	1.89	3.87	2.27	7.33	1.78	6.11	4.07	3.91	3.45	2.89	2.19
1972-73 SE OF P-VAL	0.47	1.38	0.90	0.55	0.63	0.39	0.74	0.50	1.33	1.40	1.05	0.62	0.83	0.45	2.94	1.03	2.25	1.83	1.66	1.11	0.88	0.51
1972-73 DELTA-P		1.91	-0.75	-0.64	-0.70	-1.17#	1.00#	-0.35	2.90*	-1.29	-0.13	-1.24*	0.74	-0.86	4.20	-1.35	2.98	0.94	0.78	0.32	-0.24	-0.94
1972-73 SE OF DP		1.06	0.83	0.58	0.65	0.44	0.37	0.23	1.19	1.33	1.01	0.50	0.54	0.48	2.72	1.05	2.12	1.64	1.54	1.01	0.82	0.50

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204071-234

72-73 Report #: UP251

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

Science Type: Physical science

Exercise Type: Short answer using drawings
Scoring Type: Professional
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	02-22	06-24	07-05
72-73 National P-val: UP251	52.85	65.16	66.07
Timing: (in seconds)			
Stimulus:	12	11	11
Response:	48	48	*
UP251 Exercise total:	60	59	*

*Time not limited by paced tape.

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                        NATION |               REGION              |      SEX       |          RACE           |             PARENTAL EDUCATION              |            SIZE-AND-TYPE OF COMMUNITY
                               | NORTH   SOUTH                     |                |                  OTHER  |           SOME     GRAD     POST             |EXTREME  LOW     HIGH    MAIN    URBAN   MEDIUM  SMALL
                        _______|_EAST____EAST___CENTRAL___WEST_____|_MALE___FEMALE__|_WHITE___BLACK____RACE__|_NO HS_____HS_______HS_______HS____UNKNOWN_|_RURAL___METRO___METRO__BIG CTY_FRINGE__CITY____PLACES

EXERCISE: 204071-234  UP251

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.


RESPONSE:  00    AGE: 13        TEXT:  No Response.

   1972-73 P-VALUE        1.84    1.65    2.09    0.50    3.33     2.28    1.41     0.90    4.53    8.74     2.99    2.81    1.24    1.27    3.38     2.96    5.36    0.00    2.49    3.24    1.61    0.61
   1972-73 SE OF P-VAL    0.49    0.80    0.71    0.25    1.65     0.57    0.50     0.46    1.15    3.33     1.11    1.40    0.46    0.68    0.85     1.22    1.59    0.00    1.28    2.80    0.69    0.25
   1972-73 DELTA-P               -0.19    0.25   -1.34#   1.49     0.44*  -0.43*   -0.94#   2.69*   6.90*    1.15    0.97   -0.60   -0.57    1.54*    1.12    3.52*  -1.84#   0.65    1.40   -0.23   -1.23*
   1972-73 SE OF DP               0.75    0.72    0.52    1.27     0.21    0.21     0.27    1.22    3.00     1.02    1.32    0.37    0.32    0.68     1.17    1.62    0.49    1.19    2.43    0.76    0.50

                 AGE: 17

   1972-73 P-VALUE        1.73    2.00    2.83    0.81    1.60     1.78    1.69     1.30    3.39    5.21     2.78    1.30    2.25    1.18    2.68     0.65    2.68    1.87    2.23    1.88    1.74    1.59
   1972-73 SE OF P-VAL    0.32    0.64    1.00    0.35    0.51     0.41    0.50     0.34    0.97    1.99     1.09    0.78    0.78    0.43    0.90     0.46    0.80    1.10    0.97    1.08    0.68    0.42
   1972-73 DELTA-P                0.27    1.10   -0.92*  -0.13     0.05   -0.04*   -0.43#   1.66    3.48     1.05   -0.43    0.52   -0.55    0.95    -1.08*   0.95    0.14    0.50    0.15    0.01   -0.14
   1972-73 SE OF DP               0.53    0.82    0.39    0.49     0.35    0.32     0.14    0.97    1.90     1.02    0.79    0.58    0.41    0.93     0.53    0.74    1.00    0.89    0.89    0.68    0.41

                 AGE: Ad

   1972-73 P-VALUE        0.54    1.16    0.41    0.14    0.47     0.67    0.42     0.47    1.41    0.00     0.26    1.25    0.75    0.00    1.94     2.77    0.00    0.41    1.13    0.00    0.23    0.39
   1972-73 SE OF P-VAL    0.23    0.66    0.40    0.14    0.47     0.34    0.27     0.22    1.04    0.00     0.19    0.91    0.41    0.00    1.96     1.65    0.00    0.40    1.13    0.00    0.23    0.31
   1972-73 DELTA-P                0.62   -0.13   -0.40   -0.07     0.13   -0.12    -0.07    0.87   -0.54*   -0.28    0.71    0.21   -0.54*   1.40     2.23   -0.54*  -0.13    0.59   -0.54*  -0.31   -0.15
   1972-73 SE OF DP               0.52    0.34    0.24    0.39     0.24    0.22     0.11    0.94    0.23     0.20    0.76    0.33    0.23    1.88     1.51    0.23    0.41    1.06    0.23    0.30    0.25
RESPONSE:  01*   AGE: 13        TEXT:  All Acceptable Responses.

   1972-73 P-VALUE       52.85   54.77   44.73   58.56   51.83    61.58   44.26    56.84   36.36   35.58    41.27   48.96   50.73   60.53   43.46    50.43   36.35   63.08   52.62   55.14   51.65   52.83
   1972-73 SE OF P-VAL    1.19    1.97    2.95    1.71    2.76     1.62    1.56     1.39    2.29    3.39     4.39    4.22    1.92    1.90    3.30     5.72    2.76    3.06    3.22    3.88    3.13    2.03
   1972-73 DELTA-P                1.92   -8.12#   5.71#  -1.02     8.73#  -8.59#    3.99#-16.49#-17.27#  -11.58#  -3.89   -2.12    7.68#  -9.39#   -2.42  -16.50#  10.23#  -0.23    2.29   -1.20   -0.02
   1972-73 SE OF DP               1.86    2.48    1.64    2.28     1.09    1.11     0.60    2.35    3.32     4.29    3.87    1.82    1.30    3.05     5.27    2.89    2.91    3.05    3.57    3.18    1.75

                 AGE: 17

   1972-73 P-VALUE       65.16   62.70   57.76   70.09   68.34    76.04   55.26    68.14   49.25   49.12    48.72   54.41   63.12   73.59   47.34    61.42   50.51   72.48   61.85   68.22   65.48   65.52
   1972-73 SE OF P-VAL    1.34    2.79    2.67    2.59    2.65     1.87    1.70     1.40    3.92    3.69     4.55    4.26    1.99    1.59    4.58     3.56    2.65    3.62    6.86    3.07    3.83    1.90
   1972-73 DELTA-P               -2.46   -7.40#   4.93*   3.18    10.88#  -9.90#    2.98#-15.91#-16.04#  -16.44#-10.75#  -2.04    8.43#-17.82#   -3.74  -14.65#   7.32*  -3.31    3.06    0.32    0.36
   1972-73 SE OF DP               2.31    2.50    2.18    2.32     1.25    1.23     0.56    3.66    3.46     4.16    3.98    1.43    1.27    4.62     3.44    2.83    3.59    6.53    2.68    3.46    1.60

                 AGE: Ad

   1972-73 P-VALUE       66.07   67.42   58.30   66.06   70.93    77.77   55.19    69.60   43.78   54.26    58.90   60.03   70.34   74.73   39.60    61.24   48.46   78.02   64.32   60.21   66.73   68.88
   1972-73 SE OF P-VAL    1.25    2.88    2.65    2.08    2.37     1.81    1.84     1.33    4.04    5.80     2.46    2.83    2.08    2.09    7.30     2.76    4.38    2.91    3.31    4.03    3.69    2.16
   1972-73 DELTA-P                1.35   -7.77#  -0.01    4.86*   11.70#-10.88#    3.53#-22.29#-11.81*   -7.17#  -6.04*   4.27*   8.66#-26.47#   -4.83  -17.61#  11.95#  -1.75   -5.86    0.66    2.81
   1972-73 SE OF DP               2.37    2.41    1.87    2.04     1.39    1.24     0.66    4.05    5.48     2.03    2.51    1.86    1.88    7.14     2.89    4.12    2.80    3.36    3.57    3.73    1.65
RESPONSE:  03    AGE: 13        TEXT:  I Don't Know.

   1972-73 P-VALUE        9.27    8.05   10.31    8.65   10.23     7.98   10.54     7.37   15.54   21.16    20.08   13.72    8.19    4.97   15.51     9.85   18.87    7.50   10.19    8.25    8.96    8.03
   1972-73 SE OF P-VAL    0.71    1.40    1.26    1.49    1.34     0.90    0.98     0.73    1.81    3.68     3.08    2.74    1.33    0.88    2.21     3.33    2.02    2.11    2.06    1.71    1.99    1.20
   1972-73 DELTA-P               -1.22    1.04   -0.62    0.96    -1.29*   1.27*   -1.90#   6.27#  11.89#   10.81#   4.46   -1.08   -4.30#   6.24#    0.58    9.60#  -1.77    0.92   -1.02   -0.31   -1.24
   1972-73 SE OF DP               1.21    1.17    1.20    1.18     0.62    0.62     0.43    1.65    3.59     2.88    2.69    1.14    0.84    1.94     3.15    1.97    1.97    1.97    1.63    1.78    1.03

                 AGE: 17

   1972-73 P-VALUE        7.08    5.95   11.92    6.41    5.05     4.00    9.88     6.40   13.08    6.43    13.04    9.16    7.03    4.76   15.13     6.27   10.78    4.82    2.60    9.23    6.90    7.43
   1972-73 SE OF P-VAL    0.82    1.62    2.17    1.49    0.84     0.89    1.24     0.82    2.51    1.71     3.49    2.17    1.49    0.82    4.19     1.66    1.89    1.37    1.37    2.56    1.64    1.29
   1972-73 DELTA-P               -1.13    4.84#  -0.67   -2.03*   -3.08#   2.80#   -0.68*   6.00#  -0.65     5.96    2.08   -0.05   -2.32#   8.05*   -0.81    3.70*  -2.26   -4.48#   2.15   -0.18    0.35
   1972-73 SE OF DP               1.35    1.83    1.27    1.01     0.76    0.70     0.32    2.20    1.70     3.17    1.99    1.10    0.89    3.92     1.61    1.82    1.40    1.35    2.15    1.54    1.01

                 AGE: Ad

   1972-73 P-VALUE       13.73   14.96   20.57   11.93    9.03     9.18   17.96    10.64   34.24   22.26    21.06   13.75   11.46    6.14   41.27    18.26   26.93    6.64   14.05   12.23   12.15   13.04
   1972-73 SE OF P-VAL    1.09    2.82    3.24    1.81    1.37     1.26    1.43     0.90    8.29    5.43     2.07    2.42    1.51    0.93    9.71     2.90    5.61    1.47    3.82    3.28    3.02    1.47
   1972-73 DELTA-P                1.23    6.84*  -1.80   -4.70#   -4.55#   4.23#   -3.09#  20.51#   8.53     7.33#   0.02   -2.27   -7.59#  27.54#    4.53   13.20#  -7.09#   0.32   -1.50   -1.58   -0.69
   1972-73 SE OF DP               2.02    2.75    1.63    1.42     0.81    0.74     0.64    3.76    5.15     1.47    1.92    1.35    1.33    9.38     2.86    5.16    1.71    3.64    2.94    2.79    1.22
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204072-1

72-73 Report #: UP252
69-70 Report #: U630

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 02-30
69-70 Package-Exercise: 06-02

72-73 National P-val:
UP252 68.73
69-70 National P-value:
UP252 68.27

Timing: (in seconds)
Stimulus: 28
Response: 22
I don't know: 5
Pause: 6
UP252 Exercise total: 61

EXERCISE: 204072-1 0P252

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIP.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.78	0.20	0.39	0.15	2.65	0.67	0.89	0.57	0.80	3.34	0.39	0.54	0.66	0.86	0.86	0.52	6.20	0.00	0.00	0.00	0.25	0.11
1969-70 P-VALUE	1.15	0.31	3.22	1.04	0.30	1.56	0.72	0.50	5.70	0.67	3.44	0.64	0.55	1.15	1.34	2.83	6.62	0.00	0.60	1.45	1.25	0.34
CHANGE P-VALUE	-0.37	-0.11	-2.83*	-0.89	2.35	-0.89	0.17	0.07	-4.90#	2.67	-3.05	-0.10	0.11	-0.29	-0.48	-2.31	-0.42	0.00	-0.60	-1.45	-1.00	-0.23
1972-73 SE OF P-VAL	0.55	0.20	0.18	0.15	2.38	0.45	0.65	0.48	0.37	2.66	0.40	0.53	0.40	0.77	0.68	0.33	5.05	0.00	0.00	0.00	0.26	0.08
1969-70 SE OF P-VAL	0.32	0.18	1.22	0.61	0.14	0.49	0.30	0.24	1.81	0.51	1.67	0.50	0.44	0.53	0.57	1.47	3.21	0.00	0.42	1.26	0.81	0.24
SE OF CHANGE P-VALUE	0.64	0.27	1.23	0.63	2.38	0.67	0.72	0.54	1.85	2.71	1.72	0.73	0.59	0.93	0.89	1.51	5.98	0.00	0.42	1.26	0.85	0.25
1972-73 DELTA-P		-0.58	-0.39	-0.63	1.87	-0.11	0.11	-0.21*	0.02	2.56	-0.39	-0.24	-0.12	0.08	0.08	-0.26	5.42	-0.78	-0.78	-0.78	-0.53	-0.67
1969-70 DELTA-P		-0.84*	2.07*	-0.11	-0.85#	0.41	-0.43	-0.65#	4.55#	-0.48	2.29	-0.51	-0.60	0.00	0.19	1.68	5.47	-1.15#	-0.55	0.30	0.10	-0.81*
CHANGE DELTA-P		0.26	-2.46*	-0.52	2.72	-0.52	0.54	0.44	-4.53#	3.04	-2.68	0.27	0.48	0.08	-0.11	-1.94	-0.05	0.37	-0.23	-1.08	-0.63	0.14
1972-73 SE OF DP		0.56	0.56	0.55	1.84	0.13	0.13	0.10	0.61	2.15	0.66	0.73	0.38	0.25	0.17	0.62	4.52	0.55	0.55	0.55	0.59	0.55
1969-70 SE OF DP		0.34	1.00	0.50	0.33	0.25	0.26	0.26	1.59	0.57	1.53	0.56	0.45	0.41	0.43	1.39	3.03	0.32	0.52	1.13	0.81	0.34
SE OF CHANGE DELTA-P		0.66	1.15	0.74	1.87	0.28	0.29	0.28	1.70	2.22	1.67	0.92	0.59	0.48	0.46	1.52	5.44	0.64	0.76	1.26	1.00	0.65
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	68.73	73.19	61.69	74.52	64.14	70.02	67.48	72.88	50.14	58.55	51.24	61.36	70.92	75.89	65.68	63.69	50.75	78.95	74.13	69.64	67.60	71.14
1969-70 P-VALUE	68.27	72.21	63.43	69.21	67.39	69.58	66.90	71.72	52.04	53.86	50.25	61.26	67.09	72.91	66.98	60.13	37.48	78.18	67.33	66.37	78.80	69.07
CHANGE P-VALUE	0.46	0.98	-1.74	5.31	-3.25	0.44	0.58	1.16	-1.90	4.69	0.99	0.10	3.83	2.98	-1.30	3.56	13.27#	0.77	6.80	3.27	-11.20	2.07
1972-73 SE OF P-VAL	1.82	2.40	5.11	2.39	3.75	2.49	1.65	2.06	2.19	5.32	7.80	5.10	2.22	2.12	2.06	2.76	3.95	3.68	3.73	3.29	4.71	3.75
1969-70 SE OF P-VAL	1.63	3.10	3.68	3.24	2.66	1.86	2.19	1.67	4.24	5.62	4.72	5.55	3.14	2.21	2.34	5.59	3.37	3.07	4.35	6.58	5.15	1.70
SE OF CHANGE P-VALUE	2.44	3.92	6.30	4.03	4.60	3.11	2.74	2.65	4.77	7.74	9.12	7.54	3.85	3.06	3.12	6.23	5.19	4.79	5.73	7.36	6.98	4.12
1972-73 DELTA-P		4.46	-7.04	5.79*	-4.59	1.29	-1.25	4.15#	-18.59#	-10.18*	-17.49#	-7.37	2.19	7.16#	-3.05#	-5.04*	-17.98#	10.22#	5.40	0.91	-1.13	2.41
1969-70 DELTA-P		3.94	-4.84	0.94	-0.88	1.31	-1.37	3.45#	-16.23#	-14.41#	-18.02#	-7.01	-1.18	4.64#	-1.29	-8.14	-30.79#	9.91#	-0.94	-1.90	10.53*	0.80
CHANGE DELTA-P		0.52	-2.20	4.85	-3.71	-0.02	0.12	0.70	-2.36	4.23	0.53	-0.36	3.37	2.52	-1.76	3.10	12.81*	0.31	6.34	2.81	-11.66	1.61
1972-73 SE OF DP		2.39	4.04	2.46	3.30	1.08	1.05	0.70	2.27	4.82	6.87	4.87	1.58	1.55	1.20	2.47	3.83	3.53	3.78	3.10	4.61	2.67
1969-70 SE OF DP		2.77	3.25	2.52	2.42	1.19	1.24	0.76	4.01	5.45	4.68	5.22	2.82	1.56	1.64	5.45	3.60	3.06	4.01	5.93	4.71	1.89
SE OF CHANGE DELTA-P		3.66	5.18	3.52	4.09	1.61	1.62	1.03	4.61	7.28	8.31	7.14	3.23	2.20	2.03	5.98	5.26	4.67	5.51	6.69	6.59	3.27
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.55	3.49	4.33	2.29	4.26	3.11	3.98	2.55	7.93	6.24	7.12	2.70	1.44	1.41	5.80	2.34	7.45	2.07	3.65	5.14	4.61	2.17
1969-70 P-VALUE	6.22	5.80	6.70	5.59	7.03	4.56	7.95	5.31	9.13	13.00	12.32	10.14	7.02	3.63	7.33	9.12	15.08	1.93	6.53	8.07	2.79	6.11
CHANGE P-VALUE	-2.67#	-2.31	-2.37	-3.30#	-2.77	-1.45	-3.97#	-2.76#	-1.20	-6.76	-5.20	-7.44*	-5.58#	-2.22#	-1.53	-6.78*	-7.63*	0.14	-2.88	-2.93	1.82	-3.94#
1972-73 SE OF P-VAL	0.48	0.71	1.47	0.65	0.91	0.72	0.52	0.39	2.55	1.98	2.62	1.45	0.43	0.46	0.87	1.06	1.81	1.01	1.34	2.32	1.45	0.52
1969-70 SE OF P-VAL	0.64	1.40	1.67	0.93	1.15	0.63	1.01	0.65	2.02	2.81	3.80	2.90	1.41	0.69	0.80	3.06	3.27	0.93	1.54	1.44	1.33	0.98
SE OF CHANGE P-VALUE	0.80	1.57	2.22	1.13	1.47	0.96	1.14	0.76	3.25	3.44	4.62	3.24	1.47	0.83	1.18	3.24	3.74	1.37	2.04	2.73	1.97	1.11
1972-73 DELTA-P		-0.06	0.78	-1.26	0.71	-0.44	0.43	-1.00#	4.38	2.69	3.57	-0.85	-2.11#	-2.14#	2.25#	-1.21	3.90*	-1.48	0.10	1.59	1.06	-1.38*
1969-70 DELTA-P		-0.42	0.48	-0.63	0.81	-1.66#	1.73#	-0.91#	2.91	6.78#	6.10	3.92	0.80	-2.59#	1.11	2.90	8.86#	-4.29#	0.31	1.85	-3.43#	-0.11
CHANGE DELTA-P		0.36	0.30	-0.63	-0.10	1.22	-1.30	-0.09	1.47	-4.09	-2.53	-4.77	-2.91*	0.45	1.14	-4.11	-4.96	2.81	-0.21	-0.26	4.49*	-1.27
1972-73 SE OF DP		0.68	1.16	0.66	0.84	0.40	0.39	0.33	2.24	2.06	2.35	1.39	0.55	0.58	0.48	1.16	1.73	1.00	1.37	1.99	1.41	0.58
1969-70 SE OF DP		1.19	1.42	0.85	1.04	0.54	0.56	0.34	1.84	2.71	3.63	2.73	1.10	0.64	0.62	2.88	3.12	1.00	1.45	1.37	1.28	0.85
SE OF CHANGE DELTA-P		1.37	1.83	1.08	1.34	0.67	0.68	0.47	2.90	3.40	4.32	3.06	1.23	0.86	0.78	3.10	3.57	1.41	1.99	2.42	1.90	1.03

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204074-24

72-73 Report #: UP253
69-70 Report #: U733

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: I. KNOW FUNDAMENTAL FACTS AND PRINCIPLES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	Adult
72-73 Package-Exercise:	03-14	02-13
69-70 Package-Exercise:	05-10	
72-73 National P-val: UP253	44.33	57.15
69-70 National P-value: UP253	47.15	
Timing: (in seconds)		
Stimulus:	21	23
Response:	14	*
I don't know:	5	*
Pause:	5	*
UP253 Exercise total:	45	*

*Time not limited by paced tape.

EXERCISE: 204074-24 UP253

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.03	0.13	0.00	0.00	0.00	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.60	0.00	0.00	0.32	0.00	0.00	0.00
1969-70 P-VALUE	0.02	0.11	-0.01	-0.01	-0.01	-0.01	0.05	-0.01	-0.01	0.46	-0.01	0.29	-0.01	-0.01	-0.01	-0.01	0.30	-0.01	-0.01	-0.01	-0.01	-0.01
CHANGE P-VALUE	0.01	0.02	0.01	0.01	0.01	0.08	-0.05	0.05	0.01	-0.46	0.01	-0.29	0.01	0.01	0.26	0.01	-0.30	0.01	0.33	0.01	0.01	0.01
1972-73 SE OF P-VAL	0.03	0.14	0.00	0.00	0.00	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.31	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.02	0.11	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.47	0.00	0.30	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.04	0.18	0.00	0.00	0.00	0.07	0.06	0.04	0.00	0.47	0.00	0.30	0.00	0.00	0.25	0.00	0.31	0.00	0.31	0.00	0.00	0.00
1972-73 DELTA-P		0.10	-0.03	-0.03	-0.03	0.04	-0.03	0.01	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	0.22	-0.03	-0.03	-0.03	0.29	-0.03	-0.03	-0.03
1969-70 DELTA-P		0.09	-0.03	-0.03	-0.03	-0.03	0.03	-0.03	-0.03	0.44	-0.03	0.27	-0.03	-0.03	-0.03	-0.03	0.28	-0.03	-0.03	-0.03	-0.03	-0.03
CHANGE DELTA-P		0.01	0.00	0.00	0.00	0.07	-0.06	0.04	0.00	-0.47	0.00	-0.30	0.00	0.00	0.25	0.00	-0.31	0.00	0.32	0.00	0.00	0.00
1972-73 SE OF DP		0.11	0.03	0.03	0.03	0.04	0.03	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.22	0.03	0.03	0.03	0.28	0.03	0.03	0.03
1969-70 SE OF DP		0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.44	0.03	0.27	0.03	0.03	0.03	0.03	0.29	0.03	0.03	0.03	0.03	0.03
SE OF CHANGE DELTA-P		0.14	0.04	0.04	0.04	0.05	0.04	0.03	0.04	0.44	0.04	0.27	0.04	0.04	0.22	0.04	0.29	0.04	0.28	0.04	0.04	0.04
AGE: Ad																						
1972-73 P-VALUE	0.21	0.00	1.01	0.00	0.00	0.44	0.00	0.25	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
1972-73 SE OF P-VAL	0.21	0.00	1.01	0.00	0.00	0.45	0.00	0.26	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
1972-73 DELTA-P		-0.21	0.80	-0.21	-0.21	0.23	-0.21	0.04	-0.21	-0.21	-0.21	-0.21	0.47	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	1.66	-0.21	-0.21
1972-73 SE OF DP		0.21	0.80	0.21	0.21	0.23	0.21	0.04	0.21	0.21	0.21	0.21	0.47	0.21	0.21	0.21	0.21	0.21	0.21	1.64	0.21	0.21
RESPONSE: 04* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	44.33	41.70	41.74	45.57	47.71	52.27	37.02	46.85	29.19	43.43	32.29	36.45	42.68	49.32	43.25	46.28	36.36	47.69	46.45	40.79	45.46	44.70
1969-70 P-VALUE	47.15	44.71	44.12	53.34	44.07	55.39	39.59	50.33	35.52	32.85	34.23	45.70	45.66	51.79	39.49	36.43	35.41	47.60	47.38	50.34	46.01	51.65
CHANGE P-VALUE	-2.82	-3.01	-2.38	-7.77*	3.64	-3.12	-2.57	-3.48	-6.33	10.58	-1.94	-9.25	-2.98	-2.47	3.76	9.85	0.95	0.09	-0.93	-9.55	-0.55	-6.95*
1972-73 SE OF P-VAL	1.29	2.61	3.52	2.18	2.10	1.77	1.70	1.51	2.26	3.58	3.75	4.23	2.26	1.70	3.08	6.81	4.17	3.24	2.51	4.43	1.71	2.40
1969-70 SE OF P-VAL	1.53	2.45	3.67	2.86	2.92	1.98	1.92	1.69	4.02	4.36	5.42	3.46	2.34	2.33	3.36	3.80	3.34	3.67	4.57	5.58	4.96	2.48
SE OF CHANGE P-VALUE	2.00	3.58	5.09	3.57	3.60	2.66	2.56	2.27	4.61	5.64	6.59	5.46	3.25	2.88	4.56	7.80	5.34	4.90	5.21	7.12	5.25	3.45
1972-73 DELTA-P		-2.63	-2.59	1.24	3.38	7.90#	-7.31#	2.52#	-15.14#	-0.90	-12.04#	-7.88	-1.65	4.99#	-1.08	1.95	-7.97*	3.36	2.12	-3.54	1.13	0.37
1969-70 DELTA-P		-2.44	-3.03	6.19#	-3.08	8.24#	-7.56#	3.18#	-11.63#	-14.30#	-12.92*	-1.45	-1.49	4.64#	-7.66#	-10.72#	-11.74#	0.45	0.23	3.15	-1.14	4.50*
CHANGE DELTA-P		-0.19	0.44	-4.95	6.46	-0.30	0.25	-0.66	-3.51	13.40*	0.88	-6.43	-0.16	0.35	6.58	12.67	3.77	2.91	1.89	-6.73	2.27	-4.13
1972-73 SE OF DP		2.25	2.92	1.93	1.98	1.24	1.13	0.64	2.29	3.62	3.49	3.95	1.85	1.22	2.07	6.36	3.89	3.11	2.75	4.23	2.01	1.88
1969-70 SE OF DP		2.31	3.08	2.32	2.61	1.28	1.24	0.87	3.71	4.29	5.28	3.39	1.96	1.56	2.94	3.76	3.39	3.63	4.35	5.10	4.57	1.98
SE OF CHANGE DELTA-P		3.22	4.24	3.02	3.28	1.78	1.68	1.08	4.36	5.61	6.33	5.21	2.70	1.98	4.11	7.40	5.16	4.78	5.15	6.63	4.99	2.73
AGE: Ad																						
1972-73 P-VALUE	57.15	56.57	52.39	59.93	58.47	74.93	40.62	59.80	42.50	44.50	51.17	51.45	55.84	65.72	48.04	59.66	46.28	59.27	57.89	59.03	58.78	56.76
1972-73 SE OF P-VAL	1.45	3.00	2.28	2.97	2.95	1.72	1.68	1.49	3.93	7.20	2.54	3.55	1.99	2.50	7.68	2.99	4.34	3.15	4.58	3.93	4.77	2.36
1972-73 DELTA-P		-0.58	-4.76*	2.78	1.32	17.78#	-16.53#	2.65#	-14.61#	-12.65	-5.98#	-5.70	-1.31	12.57#	-9.11	2.71	-8.87*	2.12	0.74	1.88	1.63	-0.39
1972-73 SE OF DP		2.60	2.29	2.39	2.50	1.19	1.09	0.69	3.60	7.03	1.98	3.01	1.76	2.18	7.52	2.99	4.09	2.97	4.54	3.75	4.34	1.68
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	19.49	21.01	18.29	19.84	18.69	14.31	24.25	19.67	18.80	18.53	22.92	19.40	16.95	20.27	21.41	15.91	14.72	20.64	19.42	23.01	18.82	20.11
1969-70 P-VALUE	21.80	24.59	18.39	20.90	23.01	14.89	28.31	22.19	19.81	21.41	24.19	21.73	24.22	20.06	20.36	21.10	24.69	24.01	21.65	17.34	21.56	22.22
CHANGE P-VALUE	-2.31	-3.58	-0.10	-1.06	-4.32	-0.58	-4.06	-2.52	-1.01	-2.88	-1.27	-2.33	-7.27#	0.21	1.05	-5.19	-9.97#	-3.37	-2.23	5.67	-2.74	-2.11
1972-73 SE OF P-VAL	1.22	3.00	2.39	2.51	1.69	1.23	1.75	1.34	2.27	4.68	3.88	3.78	1.54	1.86	2.46	3.19	2.13	3.98	3.75	2.65	2.16	2.02
1969-70 SE OF P-VAL	1.12	2.43	1.99	2.07	2.58	1.28	1.74	1.32	2.04	3.72	4.14	2.91	2.37	1.81	2.82	5.34	2.71	3.80	2.54	2.94	2.97	1.78
SE OF CHANGE P-VALUE	1.66	3.86	3.11	3.25	3.08	1.78	2.47	1.88	3.05	5.98	5.67	4.77	2.83	2.60	3.74	6.22	3.45	5.50	4.53	4.09	3.67	2.69
1972-73 DELTA-P		1.52	-1.20	0.35	-0.80	-5.18#	4.76#	0.18	-0.69	-0.96	3.43	-0.09	-2.54	0.78	1.92	-3.58	-4.77*	1.15	-0.07	3.52	-0.67	0.62
1969-70 DELTA-P		2.79	-3.41	-0.90	1.21	-6.91#	6.51#	0.39	-1.99	-0.39	2.39	-0.07	2.42	-1.74	-1.44	-0.70	2.89	2.21	-0.15	-4.46	-0.24	0.42
CHANGE DELTA-P		-1.27	2.21	1.25	-2.01	1.73	-1.75	-0.21	1.30	-0.57	1.04	-0.02	-4.96*	2.52	3.36	-2.88	-7.66*	-1.06	0.08	7.98*	-0.43	0.20
1972-73 SE OF DP		2.46	2.17	2.08	1.71	0.99	0.91	0.43	2.00	4.60	3.63	3.49	1.42	1.21	1.93	3.13	2.18	3.40	3.40	2.61	2.38	1.61
1969-70 SE OF DP		2.05	1.89	1.75	2.24	1.16	1.03	0.43	2.12	3.54	4.16	2.81	1.98	1.37	2.67	5.03	2.67	3.53	2.54	2.75	2.81	1.34
SE OF CHANGE DELTA-P		3.20	2.88	2.72	2.82	1.53	1.37	0.61	2.91	5.80	5.52	4.48	2.44	1.83	3.29	5.92	3.45	4.90	4.24	3.79	3.68	2.09

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

EXERCISE: 204074-24 UP253

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

RESPONSE: 09 AGE: Ad TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	21.51	21.84	22.48	21.98	19.89	11.59	30.73	19.72	34.20	24.86	26.44	24.38	20.73	14.38	31.54	20.64	27.36	19.85	26.41	20.35	20.05	20.57
1972-73 SE OF P-VAL	1.02	2.19	2.08	1.49	2.41	1.39	1.67	1.04	3.71	4.46	1.95	2.68	2.09	1.47	7.44	2.42	4.58	3.04	3.10	4.33	3.00	1.50
1972-73 DELTA-P		0.33	0.97	0.47	-1.62	-9.92#	9.22#	-1.79#	12.69#	3.35	4.93*	2.87	-0.78	-7.13#	10.03	-0.87	5.85	-1.66	4.90	-1.16	-1.46	-0.94
1972-73 SE OF DP		1.88	1.89	1.41	1.96	1.25	1.13	0.56	3.41	4.25	1.80	2.35	1.71	1.41	7.31	2.51	4.44	2.77	3.07	3.97	2.95	1.26

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204079-1

72-73 Report #: UB254
69-70 Report #: U662

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice using graphs
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	02-02
69-70 Package-Exercise:	02-03
72-73 National P-val:	
UB254	80.22
69-70 National P-value:	
UB254	81.15

Timing: (in seconds)

	Stimulus:	11
	Response:	38
	I don't know:	5
	Pause:	6
UB254	Exercise total:	60

EXERCISE: 204079-1 08254

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.93	0.63	1.30	1.02	0.80	1.25	0.61	0.68	2.19	1.29	1.94	0.82	0.56	0.08	1.60	1.11	2.13	0.19	0.00	0.91	0.74	1.04
1969-70 P-VALUE	0.38	0.35	0.43	0.12	0.73	0.42	0.33	0.23	0.77	1.49	2.18	0.23	0.10	0.30	0.39	0.33	2.07	0.00	0.00	0.37	0.87	0.26
CHANGE P-VALUE	0.55*	0.28	0.87	0.90	0.07	0.83*	0.28	0.45	1.42	-0.20	-0.24	0.59	0.46	-0.22	1.21*	0.78	0.06	0.19	0.00	0.54	-0.13	0.78
1972-73 SE OF P-VAL	0.22	0.36	0.52	0.49	0.31	0.36	0.24	0.23	0.81	0.78	1.23	0.60	0.35	0.08	0.46	0.84	0.79	0.19	0.00	0.60	0.53	0.47
1969-70 SE OF P-VAL	0.11	0.20	0.22	0.10	0.36	0.16	0.16	0.10	0.36	0.82	1.27	0.32	0.10	0.18	0.18	0.33	0.96	0.00	0.00	0.29	0.47	0.16
SE OF CHANGE P-VALUE	0.25	0.41	0.56	0.50	0.48	0.39	0.29	0.25	0.89	1.13	1.77	0.68	0.36	0.20	0.49	0.90	1.24	0.19	0.00	0.67	0.71	0.50
1972-73 DELTA-P		-0.30	0.37	0.09	-0.13	0.32	-0.32	-0.25	1.26	0.36	1.01	-0.11	-0.37	-0.85#	0.67*	0.18	1.20	-0.74#	-0.93#	-0.02	-0.19	0.11
1969-70 DELTA-P		-0.03	0.05	-0.26*	0.35	0.04	-0.05	-0.15*	0.39	1.11	1.80	-0.15	-0.28*	-0.08	0.01	-0.05	1.69	-0.38#	-0.38#	-0.01	0.49	-0.12
CHANGE DELTA-P		-0.27	0.32	0.35	-0.48	0.28	-0.27	-0.10	0.87	-0.75	-0.79	0.04	-0.09	-0.77#	0.66	0.23	-0.49	-0.36	-0.55*	-0.01	-0.68	0.23
1972-73 SE OF DP		0.33	0.43	0.40	0.32	0.21	0.21	0.13	0.73	0.77	1.19	0.61	0.34	0.22	0.30	0.79	0.74	0.27	0.22	0.54	0.53	0.38
1969-70 SE OF DP		0.18	0.20	0.12	0.29	0.10	0.12	0.07	0.33	0.77	1.21	0.31	0.13	0.15	0.15	0.33	0.91	0.11	0.11	0.27	0.43	0.13
SE OF CHANGE DELTA-P		0.38	0.47	0.42	0.43	0.23	0.24	0.15	0.80	1.09	1.70	0.68	0.35	0.27	0.34	0.86	1.17	0.29	0.25	0.60	0.68	0.40
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	80.22	81.71	74.82	81.90	82.29	81.23	79.24	83.87	63.95	71.04	69.57	78.44	79.24	89.05	76.26	73.00	66.78	90.14	80.51	79.87	89.58	79.74
1969-70 P-VALUE	81.15	86.88	68.15	86.84	78.52	81.99	80.17	85.43	61.32	63.77	60.19	76.82	82.29	88.76	77.27	69.76	55.60	93.92	77.67	86.82	83.38	81.18
CHANGE P-VALUE	-0.93	-5.17	6.67	-4.94	3.77	-0.76	-0.93	-1.56	2.63	7.27	9.38	1.62	-3.05	0.29	-1.01	3.24	11.18#	-3.78	2.84	-6.95	6.20	-1.44
1972-73 SE OF P-VAL	1.07	1.92	2.35	2.23	1.64	1.22	1.53	1.16	3.18	4.10	4.56	3.40	2.02	1.35	1.67	3.75	3.24	1.37	4.31	3.26	2.23	1.82
1969-70 SE OF P-VAL	1.54	1.95	4.84	2.20	2.44	1.65	1.91	1.58	3.41	4.80	6.15	3.85	2.23	1.59	2.37	5.88	3.01	1.54	4.35	2.47	2.73	3.02
SE OF CHANGE P-VALUE	1.88	2.74	5.38	3.13	2.94	2.05	2.45	1.96	4.66	6.31	7.66	5.14	3.01	2.09	2.90	6.97	4.42	2.06	6.12	4.09	3.53	3.53
1972-73 DELTA-P		1.49	-5.40#	1.68	2.07	1.01	-0.98	3.65#	-16.27#	-9.18*	-10.65*	-1.78	-0.98	8.83#	-3.96#	-7.22*	-13.44#	9.92#	0.29	-0.35	9.36#	-0.4[illegible]
1969-70 DELTA-P		5.73#	-13.00#	5.69#	-2.63	0.84	-0.98	4.28#	-19.83#	-17.38#	-20.96#	-4.33	1.14	7.61#	-3.88*	-11.39	-25.55#	12.77#	-3.48	5.67*	2.23	[illegible]
CHANGE DELTA-P		-4.24	7.60	-4.01	4.70	0.17	0.00	-0.63	3.56	8.20	10.31	2.55	-2.12	1.22	-0.08	4.17	12.11#	-2.85	3.77	-6.02	7.13	-0.[illegible]
1972-73 SE OF DP		1.69	1.94	1.86	1.65	0.89	0.87	0.67	2.98	4.02	4.37	3.51	1.72	1.34	1.05	3.51	3.11	1.51	4.04	2.94	2.40	[illegible].58
1969-70 SE OF DP		1.96	3.95	2.02	2.36	0.83	0.96	0.85	3.18	4.68	5.47	3.44	1.90	1.55	1.59	5.70	3.22	2.09	4.08	2.75	2.81	[illegible].18
SE OF CHANGE DELTA-P		2.59	4.40	2.75	2.88	1.22	1.30	1.08	4.36	6.17	7.00	4.91	2.56	2.05	1.91	6.69	4.48	2.58	5.74	4.03	3.70	2.69
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.71	4.48	5.52	4.18	4.74	3.93	5.47	4.30	5.32	8.40	9.01	2.56	4.77	1.90	6.28	6.88	6.67	2.45	2.13	4.09	2.76	5.76
1969-70 P-VALUE	2.92	2.01	4.06	2.05	4.15	2.71	3.16	2.50	4.27	5.61	5.14	6.37	2.16	1.08	4.18	3.70	6.71	0.49	2.27	2.54	2.52	3.49
CHANGE P-VALUE	1.79#	2.47*	1.46	2.13*	0.59	1.22	2.31#	1.80#	1.05	2.79	3.87	-3.81	2.61#	0.82	2.10	3.18	-0.04	1.96	-0.14	1.55	0.24	2.27
1972-73 SE OF P-VAL	0.50	1.01	0.73	0.84	1.35	0.55	0.71	0.51	1.17	2.66	4.58	1.17	0.94	0.55	0.81	2.97	1.30	0.95	1.02	0.90	0.97	1.02
1969-70 SE OF P-VAL	0.36	0.55	1.00	0.61	0.78	0.48	0.53	0.40	0.99	1.88	2.23	2.43	0.43	0.36	0.78	1.48	2.29	0.40	0.91	1.00	0.91	0.66
SE OF CHANGE P-VALUE	0.62	1.15	1.24	1.04	1.56	0.73	0.89	0.65	1.53	3.26	5.09	2.70	1.03	0.66	1.12	3.32	2.63	1.03	1.37	1.35	1.33	1.21
1972-73 DELTA-P		-0.23	0.81	-0.53	0.03	-0.78	0.76	-0.41	0.61	3.09	4.30	-2.15	0.06	-2.81#	1.57#	2.17	1.96	-2.26*	-2.58*	-0.62	-1.95	1.05
1969-70 DELTA-P		-0.91	1.14	-0.87	1.23	-0.21	0.24	-0.42*	1.35	2.69	2.22	3.45	-0.76	-1.84#	1.26	0.78	3.79	-2.43#	-0.65	-0.38	-0.40	0.57
CHANGE DELTA-P		0.68	-0.33	0.34	-1.20	-0.57	0.52	0.01	-0.74	1.00	2.08	-5.60*	0.82	-0.97	0.31	1.39	-1.83	0.17	-1.93	-0.24	-1.55	0.48
1972-73 SE OF DP		0.85	0.72	0.76	1.13	0.41	0.39	0.24	1.18	2.38	4.34	1.25	0.86	0.65	0.55	2.69	1.34	0.97	1.09	0.98	1.09	0.80
1969-70 SE OF DP		0.53	0.65	0.53	0.69	0.33	0.38	0.20	0.93	1.81	2.11	2.32	0.51	0.38	0.63	1.44	2.21	0.46	0.89	0.94	0.92	0.51
SE OF CHANGE DELTA-P		1.00	1.11	0.93	1.32	0.53	0.54	0.31	1.50	2.99	4.83	2.64	1.00	0.75	0.84	3.05	2.58	1.07	1.41	1.36	1.43	0.95

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204080-1

72-73 Report #: UP255
69-70 Report #: U670

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	04-21
69-70 Package-Exercise:	02-05
72-73 National P-val:	
UP255	51.46
69-70 National P-value:	
UP255	47.88

Timing: (in seconds)
Stimulus: 18
Response: 31
I don't know: 5
Pause: 6
UP255 Exercise total: 60

EXERCISE: 204080-1 DP255

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.24	0.45	0.22	0.28	0.00	0.27	0.21	0.16	0.00	0.00	0.00	0.00	0.00	0.22	0.45	0.61	0.38	0.00	0.37	0.32	0.00	0.24
1969-70 P-VALUE	0.20	0.23	0.27	0.11	0.22	0.27	0.12	0.08	0.07	0.51	0.92	0.00	0.23	0.14	0.16	0.20	0.35	0.20	0.00	0.36	0.25	0.17
CHANGE P-VALUE	0.04	0.22	-0.05	0.17	-0.22	0.00	0.09	0.08	-0.07	-0.51	-0.92	0.00	-0.23	0.08	0.29	0.41	0.03	-0.20	0.37	-0.04	-0.25	0.07
1972-73 SE OF P-VAL	0.12	0.32	0.22	0.28	0.00	0.18	0.16	0.11	0.48	0.00	0.00	0.00	0.00	0.16	0.24	0.62	0.38	0.00	0.36	0.32	0.00	0.22
1969-70 SE OF P-VAL	0.07	0.17	0.17	0.10	0.17	0.12	0.09	0.05	0.40	0.52	0.76	0.00	0.14	0.12	0.10	0.22	0.35	0.21	0.00	0.29	0.25	0.11
SE OF CHANGE P-VALUE	0.14	0.36	0.28	0.30	0.17	0.22	0.18	0.12	0.62	0.52	0.76	0.00	0.14	0.20	0.26	0.66	0.52	0.21	0.36	0.43	0.25	0.25
1972-73 DELTA-P		0.21	-0.02	0.04	-0.24*	0.03	-0.03	-0.08	0.56	-0.24*	-0.24*	-0.24*	-0.24*	-0.02	0.21	0.37	0.14	-0.24*	0.13	0.08	-0.24*	0.00
1969-70 DELTA-P		0.03	0.07	-0.09	0.02	0.07	-0.08	-0.12	0.67	0.31	0.72	-0.20#	0.03	-0.06	-0.04	0.00	0.15	0.00	-0.20#	0.16	0.05	-0.03
CHANGE DELTA-P		0.18	-0.09	0.13	-0.26	-0.04	0.05	0.04	-0.11	-0.55	-0.96	-0.04	-0.27	0.04	0.25	0.37	-0.01	-0.24	0.33	-0.08	-0.29	0.03
1972-73 SE OF DP		0.26	0.20	0.22	0.12	0.12	0.11	0.07	0.40	0.12	0.12	0.12	0.12	0.10	0.13	0.50	0.38	0.12	0.29	0.26	0.12	0.10
1969-70 SE OF DP		0.14	0.15	0.09	0.15	0.07	0.08	0.06	0.36	0.49	0.72	0.07	0.13	0.09	0.09	0.22	0.33	0.20	0.07	0.26	0.23	0.09
SE OF CHANGE DELTA-P		0.30	0.25	0.24	0.19	0.14	0.14	0.09	0.54	0.56	0.73	0.14	0.18	0.13	0.16	0.62	0.50	0.23	0.30	0.37	0.26	0.20
RESPONSE: 04* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	51.46	51.91	51.42	51.22	51.34	55.16	47.95	52.95	47.70	40.85	48.82	47.25	49.37	54.48	50.94	41.63	49.23	54.34	43.41	50.91	54.49	54.63
1969-70 P-VALUE	47.88	48.34	43.65	50.57	47.49	51.74	43.41	50.73	35.90	34.24	41.21	47.67	50.69	54.19	41.02	47.23	30.60	49.77	44.29	48.72	48.82	50.61
CHANGE P-VALUE	3.58	3.57	7.77*	0.65	3.85	3.42	4.54	2.22	11.80#	6.61	7.61	-0.42	-1.32	0.29	9.92#	-5.60	18.63#	4.57	-0.88	2.19	5.67	4.02
1972-73 SE OF P-VAL	1.34	2.37	1.86	2.91	3.24	1.67	1.88	1.58	2.09	4.38	4.94	6.74	2.69	2.02	2.26	5.69	3.19	2.95	3.00	2.97	3.59	2.41
1969-70 SE OF P-VAL	1.40	1.97	3.33	3.16	2.17	1.68	2.11	1.42	3.53	4.96	5.40	4.58	2.52	2.25	2.09	6.35	4.20	4.77	3.70	2.64	4.98	2.21
SE OF CHANGE P-VALUE	1.94	3.08	3.81	4.30	3.90	2.37	2.83	2.12	4.10	6.62	7.32	8.15	3.69	3.02	3.08	8.53	5.27	5.61	4.76	3.97	6.14	3.27
1972-73 DELTA-P		0.45	-0.04	-0.24	-0.12	3.70#	-3.51#	1.49#	-3.76	-10.61#	-2.64	-4.21	-2.09	3.02	-0.52	-9.83	-2.23	2.88	-8.05#	-0.55	3.03	3.17
1969-70 DELTA-P		0.46	-4.23	2.69	-0.39	3.86#	-4.47#	2.85#	-11.98#	-13.64#	-6.67	-0.21	2.81	6.31#	-6.86#	-0.65	-17.28#	1.89	-3.59	0.84	0.94	2.73
CHANGE DELTA-P		-0.01	4.19	-2.93	0.27	-0.16	0.96	-1.36	8.22*	3.03	4.03	-4.00	-4.90	-3.29	6.34#	-9.18	15.05#	0.99	-4.46	-1.39	2.09	0.44
1972-73 SE OF DP		2.18	1.90	2.31	2.72	1.26	1.14	0.53	2.24	4.19	4.89	6.48	2.38	1.66	1.73	5.30	3.22	2.86	3.10	2.98	3.21	1.82
1969-70 SE OF DP		1.95	2.88	2.42	2.19	1.22	1.41	0.62	3.26	4.87	5.04	4.30	2.09	1.85	1.78	6.07	4.26	4.43	3.51	2.58	4.75	1.78
SE OF CHANGE DELTA-P		2.92	3.45	3.35	3.49	1.75	1.81	0.82	3.96	6.42	7.02	7.78	3.17	2.49	2.48	8.06	5.34	5.27	4.68	3.94	5.73	2.55
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	5.01	2.94	6.44	5.41	5.17	4.14	5.83	3.96	9.33	8.60	5.07	8.65	3.64	2.15	7.69	9.35	7.20	1.44	6.44	3.06	5.36	4.93
1969-70 P-VALUE	4.83	4.53	4.83	4.30	5.93	4.06	5.72	4.69	4.76	6.70	7.14	4.08	3.63	2.94	7.24	7.09	8.63	3.27	5.39	4.76	2.99	4.69
CHANGE P-VALUE	0.18	-1.59	1.61	1.11	-0.76	0.08	0.11	-0.73	4.57*	1.90	-2.07	4.57	0.01	-0.79	0.45	2.26	-1.43	-1.83	1.05	-1.70	2.37	0.24
1972-73 SE OF P-VAL	0.53	0.88	1.41	0.84	0.94	0.77	0.66	0.51	1.88	2.06	1.86	4.18	0.91	0.51	0.96	1.67	2.60	0.72	2.03	1.16	1.39	0.88
1969-70 SE OF P-VAL	0.54	0.79	1.13	1.07	1.26	0.65	0.81	0.59	0.95	2.98	2.31	1.80	1.02	0.78	1.01	2.26	2.31	1.08	1.82	1.91	0.92	0.80
SE OF CHANGE P-VALUE	0.76	1.18	1.81	1.36	1.57	1.01	1.04	0.78	2.11	3.62	2.97	4.55	1.37	0.93	1.39	2.81	3.48	1.30	2.73	2.23	1.67	1.19
1972-73 DELTA-P		-2.07#	1.43	0.40	0.16	-0.87	0.82	-1.05#	4.32#	3.59	0.06	3.64	-1.37	-2.86#	2.68#	4.34#	2.19	-3.57#	1.43	-1.95	0.35	-0.08
1969-70 DELTA-P		-0.30	0.00	-0.53	1.10	-0.77	0.89	-0.14	-0.07	1.87	2.31	-0.75	-1.20	-1.89#	2.41#	2.26	3.80	-1.56	0.56	-0.07	-1.84	-0.14
CHANGE DELTA-P		-1.77	1.43	0.93	-0.94	-0.10	-0.07	-0.91*	4.39*	1.72	-2.25	4.39	-0.17	-0.97	0.27	2.08	-1.61	-2.01	0.87	-1.88	2.19	0.06
1972-73 SE OF DP		0.80	1.14	0.76	0.87	0.49	0.47	0.35	1.68	1.97	1.83	4.05	0.87	0.52	0.63	1.63	2.37	0.86	1.84	1.18	1.36	0.75
1969-70 SE OF DP		0.77	1.02	0.84	1.08	0.44	0.53	0.25	1.02	2.78	2.28	1.73	0.95	0.71	0.64	2.21	2.22	1.06	1.67	1.72	0.93	0.66
SE OF CHANGE DELTA-P		1.11	1.53	1.13	1.39	0.66	0.71	0.42	1.97	3.41	2.92	4.40	1.29	0.88	0.90	2.75	3.25	1.36	2.48	2.09	1.65	1.00

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204082-1

72-73 Report #: UB256
69-70 Report #: U659

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice using graphs
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	04-29
69-70 Package-Exercise:	04-02
72-73 National P-val:	
UB256	91.45
69-70 National P-value:	
UB256	91.18

Timing: (in seconds)

	Stimulus:	10
	Response:	39
	I don't know:	5
	Pause:	6
UB256	Exercise total:	60

EXERCISE: 204082-1 UN256

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION NORTHEAST	SOUTHEAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.10	0.66	0.09	0.00	0.00	0.23	0.13	0.15	0.42	0.00	0.00	0.00	0.19	0.14	0.25	0.25	0.00	0.99	0.39	0.00	0.00	0.00
1969-70 P-VALUE	0.40	0.51	0.81	0.44	0.25	0.30	0.65	0.21	1.79	1.10	2.21	0.29	0.53	0.15	0.59	0.27	2.17	0.00	0.56	0.71	0.41	0.14
CHANGE P-VALUE	-0.30	0.15	-0.72	-0.44*	-0.25	-0.07	-0.52*	-0.06	-1.37	-1.10	-2.21	-0.29	-0.34	-0.01	-0.34	-0.02	-2.17*	0.99	-0.17	-0.71	-0.41	-0.14
1972-73 SE OF P-VAL	0.10	0.40	0.09	0.00	0.00	0.17	0.10	0.09	0.32	0.00	0.00	0.00	0.19	0.14	0.15	0.24	0.00	0.54	0.42	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.13	0.27	0.39	0.22	0.18	0.16	0.21	0.09	0.62	0.79	1.34	0.29	0.28	0.10	0.23	0.27	0.93	0.00	0.55	0.40	0.31	0.13
SE OF CHANGE P-VALUE	0.16	0.48	0.40	0.22	0.18	0.22	0.23	0.13	0.70	0.79	1.34	0.29	0.34	0.17	0.27	0.36	0.93	0.54	0.69	0.40	0.31	0.13
1972-73 DELTA-P		0.48	-0.09	-0.18	-0.18	0.05	-0.05	-0.03	0.24	-0.18	-0.18	-0.18	0.01	-0.04	0.07	0.07	-0.18	0.81	0.21	-0.18	-0.18	-0.18
1969-70 DELTA-P		0.03	0.33	-0.04	-0.23	-0.18	0.17	-0.27#	1.31*	0.62	1.73	-0.19	0.05	-0.33#	0.11	-0.21	1.69	-0.48#	0.08	0.23	-0.07	-0.34*
CHANGE DELTA-P		0.45	-0.42	-0.14	0.05	0.23	-0.22	0.24*	-1.07	-0.80	-1.91	0.01	-0.04	0.29	-0.04	0.28	-1.87*	1.29#	0.13	-0.41	-0.11	0.16
1972-73 SE OF DP		0.30	0.11	0.10	0.10	0.10	0.09	0.04	0.26	0.10	0.10	0.10	0.14	0.13	0.09	0.24	0.10	0.47	0.35	0.10	0.10	0.10
1969-70 SE OF DP		0.23	0.33	0.19	0.18	0.12	0.12	0.10	0.55	0.74	1.29	0.29	0.24	0.13	0.18	0.28	0.88	0.13	0.51	0.36	0.28	0.15
SE OF CHANGE DELTA-P		0.38	0.35	0.21	0.21	0.16	0.15	0.11	0.61	0.75	1.29	0.31	0.28	0.18	0.20	0.37	0.89	0.49	0.62	0.37	0.30	0.18

RESPONSE: 02* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION NORTHEAST	SOUTHEAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	91.45	92.88	89.13	93.54	89.74	90.95	91.93	92.99	84.19	88.37	85.31	92.20	92.01	93.78	89.92	86.42	87.59	93.75	89.01	93.84	94.78	90.99
1969-70 P-VALUE	91.18	92.71	86.59	92.74	91.25	90.25	92.08	93.15	83.02	83.67	85.69	89.59	91.81	94.91	87.73	83.78	84.60	95.74	89.04	91.45	93.12	93.30
CHANGE P-VALUE	0.27	0.17	2.54	0.80	-1.51	0.70	-0.15	-0.16	1.17	4.70	-0.38	2.61	0.20	-1.13	2.19	2.64	2.99	-1.99	-0.03	2.39	1.66	-2.31
1972-73 SE OF P-VAL	0.80	1.43	1.84	1.58	1.26	1.23	1.01	0.88	2.20	3.53	3.03	2.51	1.26	1.05	1.18	3.51	1.57	1.83	2.60	1.28	1.41	1.72
1969-70 SE OF P-VAL	0.83	1.17	2.20	1.71	1.25	1.05	1.11	0.89	1.99	2.68	3.98	2.58	1.43	1.02	1.42	4.62	3.03	1.40	1.83	2.97	1.16	1.16
SE OF CHANGE P-VALUE	1.15	1.85	2.87	2.33	1.77	1.62	1.50	1.25	2.97	4.43	5.00	3.60	1.91	1.46	1.85	5.80	3.41	2.30	3.18	3.23	1.83	2.07
1972-73 DELTA-P		1.43	-2.32	2.09	-1.71	-0.50	0.48	1.54#	-7.26#	-3.08	-6.14*	0.75	0.56	2.33#	-1.53*	-5.03	-3.86*	2.30	-2.44	2.39	3.33*	-0.46
1969-70 DELTA-P		1.53	-4.59*	1.56	0.07	-0.93	0.90	1.97#	-8.16#	-7.51#	-5.49	-1.59	0.63	3.73#	-3.45#	-7.40	-6.58*	4.56#	-2.14	0.27	1.94	2.12*
CHANGE DELTA-P		-0.10	2.27	0.53	-1.78	0.43	-0.42	-0.43	0.90	4.43	-0.65	2.34	-0.07	-1.40	1.92	2.37	2.72	-2.26	-0.30	2.12	1.39	-2.58
1972-73 SE OF DP		1.30	1.57	1.27	1.20	0.81	0.77	0.37	2.10	3.49	2.94	2.36	0.92	0.91	0.74	3.30	1.68	1.77	2.41	1.49	1.36	1.30
1969-70 SE OF DP		1.17	1.92	1.29	1.20	0.72	0.69	0.41	1.92	2.65	3.85	2.59	1.15	0.87	1.06	4.34	2.96	1.57	1.78	2.67	1.25	1.00
SE OF CHANGE DELTA-P		1.75	2.48	1.81	1.70	1.08	1.03	0.55	2.85	4.38	4.84	3.50	1.47	1.26	1.29	5.45	3.40	2.37	3.00	3.06	1.85	1.64

RESPONSE: 09 AGE: 9 TEXT: I Don't Know.

	NATION	REGION NORTHEAST	SOUTHEAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.93	0.87	1.33	1.15	0.31	0.86	1.00	0.60	2.64	1.20	0.57	0.54	0.69	0.60	1.43	1.90	2.48	1.03	0.28	1.62	0.00	0.65
1969-70 P-VALUE	1.79	0.57	1.50	2.08	2.88	1.79	1.79	1.40	2.46	5.42	3.88	0.46	1.15	1.18	2.81	4.02	3.06	0.50	3.09	1.74	1.29	1.00
CHANGE P-VALUE	-0.86*	0.30	-0.17	-0.93	-2.57#	-0.93	-0.79	-0.80*	0.18	-4.22	-3.31	0.08	-0.46	-0.58	-1.38	-2.12	-0.58	0.53	-2.81#	-0.12	-1.29	-0.35
1972-73 SE OF P-VAL	0.18	0.42	0.35	0.35	0.24	0.27	0.28	0.19	0.63	0.89	0.58	0.55	0.36	0.31	0.34	0.77	0.99	0.61	0.28	0.69	0.00	0.28
1969-70 SE OF P-VAL	0.32	0.38	0.51	0.70	0.86	0.42	0.44	0.32	0.76	2.05	1.91	0.33	0.59	0.38	0.66	1.73	1.17	0.50	0.86	0.85	0.65	0.42
SE OF CHANGE P-VALUE	0.37	0.52	0.62	0.78	0.89	0.50	0.52	0.37	0.99	2.23	2.00	0.64	0.69	0.49	0.74	1.89	1.53	0.79	0.90	1.09	0.65	0.50
1972-73 DELTA-P		-0.06	0.40	0.22	-0.62*	-0.07	0.07	-0.33#	1.71#	0.27	-0.36	-0.39	-0.24	-0.33	0.50	0.97	1.55	0.10	-0.65*	0.69	-0.93#	-0.20
1969-70 DELTA-P		-1.22#	-0.29	0.29	1.09	0.00	0.00	-0.39*	0.67	3.63	2.09	-1.33#	-0.64	-0.61	1.02*	2.23	1.27	-1.29*	1.30	-0.05	-0.50	-0.79*
CHANGE DELTA-P		1.16*	0.69	-0.07	-1.71*	-0.07	0.07	0.06	1.04	-3.36	-2.45	0.94	0.40	0.28	-0.52	-1.26	0.28	1.39	-1.95*	0.74	-0.43	0.51
1972-73 SE OF DP		0.35	0.31	0.28	0.25	0.22	0.21	0.12	0.59	0.86	0.55	0.56	0.34	0.28	0.26	0.72	0.94	0.57	0.30	0.63	0.18	0.26
1969-70 SE OF DP		0.38	0.52	0.54	0.70	0.30	0.29	0.18	0.71	1.94	1.85	0.42	0.53	0.36	0.47	1.62	1.11	0.57	0.77	0.80	0.62	0.38
SE OF CHANGE DELTA-P		0.52	0.61	0.61	0.74	0.37	0.36	0.22	0.92	2.12	1.93	0.70	0.63	0.46	0.54	1.77	1.45	0.81	0.83	1.02	0.65	0.46

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204085-1

72-73 Report #: UB257
69-70 Report #: U666

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 03-03
69-70 Package-Exercise: 05-11

72-73 National P-val:
UB257 61.08
69-70 National P-value:
UB257 66.46

Timing: (in seconds)

Stimulus: 21
Response: 29
I don't know: 5
Pause: 6
UB257 Exercise total: 61

EXERCISE: 204085-1 08257

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	0.54	0.62	0.78	0.55	0.25	0.59	0.49	0.43	1.06	0.77	0.58	0.00	0.36	0.23	0.93	0.28	0.53	0.87	0.00	0.67	0.43	0.62
1969-70 P-VALUE	0.30	0.00	0.51	0.06	0.74	0.35	0.25	0.35	0.15	0.00	0.00	0.00	0.10	0.00	0.78	0.00	0.41	0.45	0.00	0.63	0.84	0.07
CHANGE P-VALUE	0.24	0.62	0.27	0.49	-0.49	0.24	0.24	0.08	0.91	0.77	0.58	0.00	0.26	0.23	0.15	0.28	0.12	0.42	0.00	0.04	-0.41	0.55
1972-73 SE OF P-VAL	0.16	0.41	0.36	0.29	0.19	0.24	0.20	0.17	0.49	0.80	0.58	0.00	0.23	0.14	0.36	0.28	0.40	0.73	0.00	0.46	0.41	0.27
1969-70 SE OF P-VAL	0.15	0.00	0.40	0.07	0.51	0.22	0.21	0.19	0.15	0.00	0.00	0.00	0.11	0.00	0.42	0.00	0.40	0.45	0.00	0.60	0.82	0.08
SE OF CHANGE P-VALUE	0.22	0.41	0.54	0.30	0.54	0.33	0.29	0.25	0.51	0.80	0.58	0.00	0.25	0.14	0.55	0.28	0.57	0.86	0.00	0.76	0.92	0.28
1972-73 DELTA-P		0.08	0.24	0.01	-0.29	0.05	-0.05	-0.11	0.52	0.23	0.04	-0.54#	-0.18	-0.31	0.39	-0.26	-0.01	0.33	-0.54#	0.13	-0.11	0.08
1969-70 DELTA-P		-0.30*	0.21	-0.24	0.44	0.05	-0.05	0.05	-0.15	-0.30*	-0.30*	-0.30*	-0.20	-0.30*	0.48	-0.30*	0.11	0.15	-0.30*	0.33	0.54	-0.23
CHANGE DELTA-P		0.38	0.03	0.25	-0.73	0.00	0.00	-0.16	0.67	0.53	0.34	-0.24	0.02	-0.01	-0.09	0.04	-0.12	0.18	-0.24	-0.20	-0.65	0.31
1972-73 SE OF DP		0.34	0.31	0.25	0.21	0.15	0.16	0.09	0.45	0.77	0.58	0.16	0.23	0.18	0.23	0.31	0.40	0.65	0.16	0.42	0.40	0.21
1969-70 SE OF DP		0.15	0.34	0.16	0.40	0.16	0.15	0.04	0.20	0.15	0.15	0.15	0.17	0.15	0.28	0.15	0.41	0.41	0.15	0.53	0.73	0.16
SE OF CHANGE DELTA-P		0.37	0.46	0.30	0.45	0.22	0.22	0.10	0.49	0.78	0.60	0.22	0.29	0.23	0.36	0.34	0.57	0.77	0.22	0.68	0.83	0.26
RESPONSE: 03* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	61.08	67.12	54.21	63.15	59.32	59.12	63.18	64.77	41.89	58.53	47.59	46.13	63.26	70.32	55.69	58.87	47.37	78.35	62.40	59.10	61.21	58.93
1969-70 P-VALUE	66.46	67.86	59.88	69.54	67.00	66.70	66.23	70.29	48.78	54.47	60.94	64.50	66.37	72.32	62.50	69.97	50.88	71.59	61.08	70.44	64.09	66.86
CHANGE P-VALUE	-5.38*	-0.74	-5.67	-6.39	-7.68*	-7.58#	-3.05	-5.52*	-6.89	4.06	-13.35	-18.37*	-3.11	-2.00	-6.81*	-11.10	-3.51	6.76	1.32	-11.34	-2.88	-7.93*
1972-73 SE OF P-VAL	1.49	2.57	3.01	3.38	2.21	1.94	2.03	1.77	3.13	4.67	3.84	6.18	2.35	1.99	2.41	3.58	3.26	3.54	5.08	4.37	3.17	2.56
1969-70 SE OF P-VAL	1.56	2.66	2.35	3.78	2.70	1.88	2.09	1.63	3.30	4.70	7.40	5.51	2.33	2.20	2.22	6.62	5.08	3.58	3.74	4.27	2.91	2.85
SE OF CHANGE P-VALUE	2.16	3.70	4.14	5.01	3.49	2.66	2.91	2.41	4.55	6.63	8.34	8.28	3.31	2.97	3.28	7.53	6.04	5.03	6.31	6.11	4.30	3.54
1972-73 DELTA-P		6.04#	-6.87*	2.07	-1.76	-1.96	2.18	3.69#	-19.19#	-2.55	-13.49#	-14.95*	2.18	9.24#	-5.39#	-2.21	-13.71#	17.27#	1.32	-1.98	0.13	-2.15
1969-70 DELTA-P		1.40	-6.58#	3.08	0.54	0.24	-0.23	3.83#	-17.68#	-11.99#	-5.52	-1.96	-0.09	5.86#	-3.96*	3.51	-15.58#	5.13	-5.38	3.98	-2.37	0.40
CHANGE DELTA-P		4.64	-0.29	-1.01	-2.30	-2.20	2.33	-0.14	-1.51	9.44	-7.97	-12.99	2.27	3.38	-1.43	-5.72	1.87	12.14#	6.70	-5.96	2.50	-2.55
1972-73 SE OF DP		2.41	2.93	2.70	2.11	1.29	1.40	0.90	3.10	4.64	3.88	6.07	2.16	1.61	1.60	3.49	3.53	3.35	4.84	4.00	3.12	2.00
1969-70 SE CF DP		2.46	2.35	2.76	2.48	1.19	1.15	0.73	3.22	4.37	6.98	5.10	1.84	1.76	1.61	6.22	4.98	3.01	3.61	3.75	2.90	1.84
SE OF CHANGE DELTA-P		3.44	3.76	3.86	3.26	1.76	1.81	1.16	4.47	6.37	7.99	7.93	2.84	2.39	2.27	7.13	6.10	4.78	6.04	5.48	4.26	2.72
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	12.72	9.33	14.98	12.26	14.32	12.59	12.86	11.61	16.89	17.24	11.59	20.16	12.49	7.70	16.32	14.58	17.35	6.65	12.94	14.57	11.24	13.13
1969-70 P-VALUE	7.72	9.24	7.17	7.16	7.36	5.68	9.69	7.38	8.89	9.69	13.88	10.57	8.10	3.94	9.46	7.43	9.60	5.73	7.44	6.77	7.41	9.00
CHANGE P-VALUE	5.00#	0.09	7.81#	5.10	6.96#	6.91#	3.17	4.23#	8.00#	7.55	-2.29	9.59	4.39	3.76#	6.86#	7.15	7.75*	0.92	5.50	7.80	3.83	4.13
1972-73 SE OF P-VAL	1.05	2.11	2.28	2.41	1.38	1.65	1.19	1.24	2.00	3.43	2.70	5.03	1.70	0.93	1.71	4.21	3.28	1.54	2.46	4.29	1.40	1.74
1969-70 SE OF P-VAL	0.77	1.47	1.53	1.70	1.31	0.77	1.21	0.83	1.44	2.00	5.08	4.05	1.39	0.66	1.18	2.30	1.87	1.86	2.09	1.76	1.62	1.60
SE OF CHANGE P-VALUE	1.30	2.57	2.75	2.95	1.90	1.82	1.70	1.49	2.46	3.97	5.75	6.46	2.20	1.14	2.08	4.80	3.78	2.41	3.23	4.64	2.14	2.36
1972-73 DELTA-P		-3.39	2.26	-0.46	1.60	-0.13	0.14	-1.11*	4.17*	4.52	-1.13	7.44	-0.23	-5.02#	3.60#	1.86	4.63	-6.07#	0.22	1.85	-1.48	0.41
1969-70 DELTA-P		1.52	-0.55	-0.56	-0.36	-2.04#	1.97#	-0.34	1.17	1.97	6.16	2.85	0.38	-3.78#	1.74*	-0.29	1.88	-1.99	-0.28	-0.95	-0.31	1.28
CHANGE DELTA-P		-4.91*	2.81	0.10	1.96	1.91	-1.83	-0.77	3.00	2.55	-7.29	4.59	-0.61	-1.24	1.86	2.15	2.75	-4.08	0.50	2.80	-1.17	-0.87
1972-73 SE OF DP		1.89	1.99	1.91	1.40	0.96	1.02	0.51	1.96	3.32	2.75	4.67	1.35	0.86	1.07	4.03	3.28	1.57	2.46	3.77	1.62	1.34
1969-70 SE OF DP		1.31	1.40	1.31	1.24	0.69	0.66	0.26	1.39	1.71	4.94	3.77	1.01	0.79	0.84	2.23	1.98	1.81	2.03	1.57	1.66	1.12
SE OF CHANGE DELTA-P		2.30	2.43	2.32	1.87	1.18	1.21	0.57	2.40	3.73	5.65	6.00	1.69	1.17	1.36	4.61	3.83	2.40	3.19	4.08	2.32	1.75

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204094-2

72-73 Report #: UB258
69-70 Report #: U749

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	04-13
69-70 Package-Exercise:	02-06
72-73 National P-val: UB258	88.88
69-70 National P-value: UB258	90.37

Timing: (in seconds)

	Stimulus:	39
	Response:	26
	I don't know:	5
	Pause:	6
UB258	Exercise total:	76

EXERCISE: 204094-2 0B258

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.08	0.00	0.17	0.00	0.16	0.00	0.16	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.48	0.37	0.36	0.00	0.00	0.00	0.00	0.00
1969-70 P-VALUE	0.09	0.25	-0.01	-0.01	0.11	0.10	0.08	0.03	0.19	0.61	-0.01	-0.01	0.11	0.05	0.42	-0.01	0.50	-0.01	0.30	0.24	-0.01	-0.01
CHANGE P-VALUE	-0.01	-0.25	0.18	0.01	0.05	-0.10	0.08	-0.03	0.43	-0.61	0.01	0.01	-0.11	-0.05	0.06	0.38	-0.14	0.01	-0.30	-0.24	0.01	0.01
1972-73 SE OF P-VAL	0.05	0.00	0.17	0.00	0.13	0.00	0.10	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.31	0.29	0.38	0.00	0.00	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.05	0.17	0.00	0.00	0.12	0.08	0.07	0.04	0.20	0.51	0.00	0.00	0.09	0.06	0.43	0.00	0.38	0.00	0.31	0.24	0.00	0.00
SE OF CHANGE P-VALUE	0.07	0.17	0.17	0.00	0.18	0.08	0.12	0.04	0.45	0.51	0.00	0.00	0.09	0.06	0.53	0.29	0.54	0.00	0.31	0.24	0.00	0.00
1972-73 DELTA-P		-0.08	0.09	-0.08	0.08	-0.08	0.08	-0.08	0.54	-0.08	-0.08	-0.08	-0.08	-0.08	0.40	0.29	0.28	-0.08	-0.08	-0.08	-0.08	-0.08
1969-70 DELTA-P		0.16	-0.10	-0.10	0.02	0.01	-0.01	-0.06	0.10	0.52	-0.10	-0.10	0.02	-0.04	0.33	-0.10	0.41	-0.10	0.21	0.15	-0.10	-0.10
CHANGE DELTA-P		-0.24	0.19	0.02	0.06	-0.09	0.09	-0.02	0.44	-0.60	0.02	0.02	-0.10	-0.04	0.07	0.39	-0.13	0.02	-0.29	-0.23	0.02	0.02
1972-73 SE OF DP		0.05	0.14	0.05	0.10	0.05	0.05	0.05	0.35	0.05	0.05	0.05	0.05	0.05	0.26	0.25	0.35	0.05	0.05	0.05	0.05	0.05
1969-70 SE OF DP		0.13	0.05	0.05	0.10	0.05	0.05	0.04	0.18	0.47	0.05	0.05	0.08	0.05	0.40	0.05	0.36	0.05	0.28	0.22	0.05	0.05
SE OF CHANGE DELTA-P		0.14	0.15	0.07	0.14	0.07	0.07	0.06	0.39	0.47	0.07	0.07	0.09	0.07	0.48	0.25	0.50	0.07	0.28	0.23	0.07	0.07
RESPONSE: 05* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	88.88	92.36	85.49	91.18	85.69	88.15	89.66	92.74	74.03	75.51	80.59	86.39	88.38	95.27	80.45	81.95	77.65	96.54	88.61	91.47	91.00	90.72
1969-70 P-VALUE	90.37	92.53	86.68	88.64	93.20	89.30	91.33	93.35	75.45	81.68	73.71	85.61	89.90	95.21	75.72	83.44	80.32	96.16	90.95	90.67	92.02	90.72
CHANGE P-VALUE	-1.49	-0.17	-1.19	2.54	-7.51#	-1.15	-1.67	-0.61	-1.42	-6.17	6.88	0.78	-1.52	0.06	4.73	-1.49	-2.67	0.38	-2.34	0.80	-1.02	0.00
1972-73 SE OF P-VAL	1.06	1.62	2.01	1.65	2.78	1.30	1.12	0.83	2.60	5.38	4.31	2.46	1.57	0.81	2.43	4.56	3.11	1.14	2.83	2.14	2.38	1.24
1969-70 SE OF P-VAL	0.82	1.17	2.76	1.61	1.02	0.91	1.13	0.75	2.96	2.79	6.71	2.71	1.36	0.72	3.32	3.55	3.38	1.03	1.74	2.08	2.59	1.41
SE OF CHANGE P-VALUE	1.34	2.00	3.41	2.31	2.96	1.59	1.59	1.12	3.94	6.06	7.97	3.66	2.08	1.08	4.11	5.78	4.59	1.54	3.32	2.98	3.52	1.88
1972-73 DELTA-P		3.48*	-3.39	2.30	-3.19	-0.73	0.78	3.86#	-14.85#	-13.37#	-8.29*	-2.49	-0.50	6.39#	-8.43#	-6.93	-11.23#	7.66#	-0.27	2.59	2.12	1.84
1969-70 DELTA-P		2.16	-3.69	-1.73	2.83#	-1.07	0.96	2.98#	-14.92#	-8.69#	-16.66#	-4.76	-0.47	4.84#	-14.65#	-6.93*	-10.05#	5.79#	0.58	0.30	1.65	0.35
CHANGE DELTA-P		1.32	0.30	4.03	-6.02*	0.34	-0.18	0.88	0.07	-4.68	8.37	2.27	-0.03	1.55	6.22	0.00	-1.18	1.87	-0.85	2.29	0.47	1.49
1972-73 SE OF DP		1.54	1.87	1.52	2.17	0.58	0.62	0.82	2.60	4.76	3.86	2.42	1.17	0.95	1.91	3.96	2.95	1.35	2.59	2.06	2.31	1.20
1969-70 SE OF DP		1.15	2.30	1.34	1.10	0.67	0.59	0.55	2.76	2.69	6.45	2.56	1.14	0.78	3.05	3.41	3.31	1.24	1.82	2.00	2.22	1.25
SE OF CHANGE DELTA-P		1.92	2.96	2.03	2.43	0.89	0.86	0.99	3.79	5.47	7.52	3.52	1.63	1.23	3.60	5.23	4.43	1.83	3.17	2.87	3.20	1.73
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	0.93	0.62	0.78	1.53	0.71	0.99	0.87	0.89	1.63	0.37	0.18	2.42	0.79	0.27	2.27	0.68	1.92	0.29	1.01	1.28	0.10	1.07
1969-70 P-VALUE	0.66	0.44	1.16	0.50	0.66	0.59	0.62	0.24	3.40	0.85	0.67	1.71	0.12	0.16	4.46	1.34	1.06	0.21	1.63	1.02	0.34	0.32
CHANGE P-VALUE	0.27	0.18	-0.38	1.03	0.05	0.40	0.25	0.65	-1.77	-0.48	-0.49	0.71	0.67	0.11	-2.19	-0.66	0.86	0.08	-0.62	0.26	-0.24	0.75
1972-73 SE OF P-VAL	0.28	0.33	0.35	0.86	0.31	0.40	0.30	0.34	0.56	0.27	0.18	1.22	0.57	0.16	0.72	0.50	0.75	0.29	0.73	0.74	0.11	0.51
1969-70 SE OF P-VAL	0.14	0.15	0.35	0.31	0.33	0.20	0.18	0.12	0.77	0.58	0.40	0.69	0.09	0.09	1.39	0.42	0.58	0.21	0.78	0.66	0.23	0.17
SE OF CHANGE P-VALUE	0.31	0.36	0.49	0.91	0.45	0.45	0.35	0.36	0.95	0.64	0.44	1.40	0.58	0.18	1.57	0.65	0.95	0.36	1.07	0.99	0.25	0.54
1972-73 DELTA-P		-0.31	-0.15	0.60	-0.22	0.06	-0.06	-0.04	0.70	-0.56	-0.75*	1.49	-0.14	-0.66*	1.34*	-0.25	0.99	-0.64	0.08	0.35	-0.83#	0.14
1969-70 DELTA-P		-0.22	0.50	-0.16	0.00	-0.07	-0.04	-0.42#	2.74#	0.19	0.01	1.05	-0.54#	-0.50#	3.80#	0.68	0.40	[illegible]	[illegible]	0.36	-0.32	-0.34*
CHANGE DELTA-P		-0.09	-0.65	0.76	-0.22	0.13	-0.02	0.38#	-2.04*	-0.75	-0.76	0.44	0.40	-0.16	-2.46	-0.93	0.59	[illegible]	[illegible]	-0.01	-0.51	0.48
1972-73 SE OF DP		0.36	0.39	0.63	0.35	0.21	0.22	0.10	0.57	0.36	0.32	1.11	0.38	0.29	0.57	0.53	0.71	0.38	0.66	0.58	0.29	0.33
1969-70 SE OF DP		0.18	0.31	0.25	0.28	0.15	0.14	0.10	0.70	0.57	0.41	0.65	0.13	0.13	1.29	0.42	0.57	0.23	0.71	0.60	0.23	0.17
SE OF CHANGE DELTA-P		0.40	0.50	0.68	0.45	0.26	0.26	0.14	0.90	0.67	0.52	1.29	0.40	0.32	1.41	0.68	0.91	0.44	0.97	0.83	0.37	0.37

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204098-2

72-73 Report #: UP259
69-70 Report #: U748

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice using graphs
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	05-31
69-70 Package-Exercise:	05-06
72-73 National P-val: UP259	90.46
69-70 National P-value: UP259	92.54

Timing: (in seconds)

Stimulus:	10
Response:	9
I don't know:	5
Pause:	6
UP259 Exercise total:	30

EXERCISE: 204098-2 UP259

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIb.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	1.91	0.07	0.00	0.64	6.77	2.66	1.16	1.75	0.88	6.37	1.01	3.37	1.17	1.29	5.01	0.68	0.00	0.14	0.42	10.99	0.00	0.00
1969-70 P-VALUE	0.02	-0.01	0.12	-0.01	-0.01	-0.01	0.04	-0.01	0.18	-0.01	-0.01	-0.01	0.07	-0.01	-0.01	0.31	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CHANGE P-VALUE	1.89*	0.08	-0.12	0.65	6.78*	2.67*	1.12	1.76*	0.70	6.38	1.02	3.38	1.10	1.30*	5.02	0.37	0.01	0.15	0.43	11.00*	0.01	0.01
1972-73 SE OF P-VAL	0.88	0.07	0.00	0.37	3.35	1.21	0.61	0.82	0.63	3.62	0.99	1.83	0.69	0.64	2.78	0.71	0.00	0.13	0.42	5.12	0.00	0.00
1969-70 SE OF P-VAL	0.02	0.00	0.13	0.00	0.00	0.00	0.05	0.00	0.18	0.00	0.00	0.00	0.08	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.88	0.07	0.13	0.37	3.35	1.21	0.61	0.82	0.66	3.62	0.99	1.83	0.69	0.64	2.78	0.78	0.00	0.13	0.42	5.12	0.00	0.00
1972-73 DELTA-P		-1.84*	-1.91*	-1.27	4.86	0.75	-0.75	-0.16	-1.03	4.46	-0.90	1.46	-0.74#	-0.62	3.10	-1.23	-1.91*	-1.77	-1.49	9.08*	-1.91*	-1.91*
1969-70 DELTA-P		-0.03	0.10	-0.03	-0.03	-0.03	0.02	-0.03	0.16	-0.03	-0.03	-0.03	0.05	-0.03	-0.03	0.29	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
CHANGE DELTA-P		-1.81*	-2.01*	-1.24	4.89	0.78*	-0.77	-0.13	-1.19	4.49	-0.87	1.49	-0.79#	-0.59	3.13	-1.52	-1.88*	-1.74	-1.46	9.11*	-1.88*	-1.88*
1972-73 SE OF DP		0.88	0.88	0.91	2.49	0.39	0.39	0.10	1.02	2.83	1.23	1.16	0.27	0.64	2.03	1.07	0.88	0.89	0.95	4.32	0.88	0.88
1969-70 SE OF DP		0.03	0.10	0.03	0.03	0.03	0.02	0.03	0.16	0.03	0.03	0.03	0.05	0.03	0.03	0.30	0.03	0.03	0.03	0.03	0.03	0.03
SE OF CHANGE DELTA-P		0.88	0.89	0.91	2.49	0.39	0.39	0.10	1.03	2.83	1.23	1.16	0.27	0.64	2.03	1.11	0.88	0.89	0.95	4.32	0.88	0.88
RESPONSE: 04* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	90.46	94.14	87.20	92.14	87.82	90.21	90.71	94.47	66.92	83.49	83.52	82.95	92.45	95.23	78.87	88.88	77.28	95.82	93.21	85.99	92.92	92.58
1969-70 P-VALUE	92.54	96.35	84.24	95.83	91.30	93.19	92.23	96.76	73.63	81.68	80.55	85.84	93.09	96.79	84.47	85.61	83.18	99.21	90.96	96.72	92.35	93.84
CHANGE P-VALUE	-2.08	-2.21	2.96	-3.69	-3.48	-2.98	-1.52	-2.29*	-6.71	1.81	2.97	-2.89	-0.64	-1.56	-5.60	3.27	-5.90	-3.39#	2.25	-10.73*	0.57	-1.26
1972-73 SE OF P-VAL	1.25	1.17	2.95	1.80	3.44	1.52	1.28	0.91	3.84	3.62	4.41	3.61	1.25	1.01	3.32	2.69	4.13	1.13	1.64	4.91	2.52	1.30
1969-70 SE OF P-VAL	0.97	0.79	3.65	0.79	1.81	1.20	1.06	0.41	4.26	3.12	4.83	2.59	1.19	0.61	3.77	3.24	3.06	0.46	2.62	1.10	1.86	2.12
SE OF CHANGE P-VALUE	1.58	1.41	4.69	1.97	3.89	1.94	1.66	1.00	5.74	4.78	6.54	4.44	1.73	1.18	5.02	4.21	5.14	1.22	3.09	5.03	3.13	2.49
1972-73 DELTA-P		3.68*	-3.26	1.68	-2.64	-0.25	0.25	4.01#	-23.54#	-6.97*	-6.94	-7.51#	1.99*	4.77#	-11.59#	-1.58	-13.18#	5.36#	2.75	-4.47	2.46	2.12
1969-70 DELTA-P		3.81#	-8.30#	3.29#	-1.24	0.65	-0.31	4.22#	-18.91#	-10.86#	-11.99#	-6.70#	0.55	4.25#	-8.07#	-6.93*	-9.36#	6.67#	-1.58	4.18#	-0.19	1.30
CHANGE DELTA-P		-0.13	5.04	-1.61	-1.40	-0.90	0.56	-0.21	-4.63	3.89	5.05	-0.81	1.44	0.52	-3.52	5.35	-3.82	-1.31	4.33	-8.65	2.65	0.82
1972-73 SE OF DP		1.51	2.56	1.67	2.71	0.65	0.65	0.68	3.38	3.04	4.19	2.99	0.99	1.01	2.61	2.43	3.86	1.49	1.80	4.18	2.36	1.31
1969-70 SE OF DP		1.14	2.91	1.12	1.65	0.58	0.53	0.93	3.49	3.02	4.25	2.53	0.90	0.80	3.13	3.15	2.97	1.06	2.49	1.35	1.91	1.47
SE OF CHANGE DELTA-P		1.89	3.88	2.01	3.17	0.87	0.84	1.15	4.86	4.29	5.97	3.92	1.34	1.29	4.08	3.98	4.87	1.83	3.07	4.39	3.04	1.97
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	0.26	0.27	0.51	0.05	0.30	0.30	0.22	0.07	1.37	0.98	0.00	0.00	0.22	0.04	1.32	0.09	0.64	0.00	0.00	0.48	0.46	0.22
1969-70 P-VALUE	1.13	0.08	2.93	0.00	2.21	1.25	1.03	0.40	4.57	2.67	5.58	1.38	0.40	0.52	3.76	2.68	1.19	0.00	0.92	0.27	1.37	1.32
CHANGE P-VALUE	-0.87*	0.19	-2.42	0.05	-1.91*	-0.95	-0.81	-0.33	-3.40	-1.69	-5.58*	-1.38	-0.18	-0.48	-2.44	-2.59*	-0.55	0.00	-0.92	0.21	-0.91	-1.10
1972-73 SE OF P-VAL	0.07	0.21	0.14	0.04	0.18	0.11	0.10	0.06	0.32	0.70	0.00	0.00	0.12	0.04	0.45	0.09	0.38	0.00	0.00	0.34	0.25	0.16
1969-70 SE OF P-VAL	0.39	0.09	1.57	0.00	0.77	0.51	0.41	0.22	2.13	1.39	2.56	0.72	0.19	0.33	2.02	1.16	0.73	0.00	0.78	0.27	1.03	1.01
SE OF CHANGE P-VALUE	0.40	0.23	1.58	0.04	0.79	0.52	0.42	0.23	2.15	1.56	2.56	0.72	0.22	0.33	2.07	1.16	0.82	0.00	0.78	0.43	1.06	1.02
1972-73 DELTA-P		0.01	0.25	-0.21#	0.04	0.04	-0.04	-0.19#	0.91#	0.72	-0.26#	-0.25#	-0.04	-0.22#	1.06#	-0.17	0.38	-0.26#	-0.26#	0.22	0.20	-0.04
1969-70 DELTA-P		-1.05#	1.80	-1.13#	1.08	0.12	-0.10	-0.73*	3.44	1.54	4.45	0.25	-0.73	-0.61#	2.63	1.55	0.06	-1.13#	-0.21	-0.86	0.24	0.19
CHANGE DELTA-P		1.06*	-1.55	0.92*	-1.04	-0.08	0.06	0.54	-2.53	-0.82	-4.71*	-0.51	0.69	0.39	-1.57	-1.72	0.32	0.87*	-0.05	1.08	-0.04	-0.23
1972-73 SE OF DP		0.17	0.13	0.08	0.15	0.07	0.07	0.06	0.30	0.66	0.07	0.07	0.10	0.08	0.39	0.11	0.36	0.07	0.07	0.29	0.26	0.15
1969-70 SE OF DP		0.40	1.25	0.39	0.67	0.25	0.23	0.36	1.81	1.38	2.28	0.76	0.45	0.22	1.73	1.28	0.77	0.39	0.79	0.46	0.96	0.71
SE OF CHANGE DELTA-P		0.43	1.26	0.40	0.69	0.26	0.24	0.36	1.83	1.53	2.28	0.76	0.46	0.23	1.77	1.28	0.85	0.40	0.79	0.54	0.99	0.73

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204099-2

72-73 Report #: UP260
69-70 Report #: U781

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Physical science

Exercise Type: Short answer
Scoring Type: Professional
Administration Mode: Group

Age: 13
72-73 Package-Exercise: 08-33
69-70 Package-Exercise: 05-18

72-73 National P-val:
UP260 9.53
69-70 National P-value:
UP260 ***

Timing: (in seconds)
Stimulus: 22
Response: 239
UP260 Exercise total: 261

***Acceptable/Unacceptable data is not available at this time.

EXERCISE: 204099-2 UP260

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

(1969-70 data is not available at this time.)

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	5.53	4.83	3.45	3.94	9.95	7.15	3.88	4.37	6.64	16.13	7.73	4.52	6.19	3.32	9.75	3.36	20.42	3.75	4.82	8.38	2.11	3.94
1972-73 SE OF P-VAL	1.34	0.90	1.30	1.17	4.98	1.66	1.25	1.02	1.46	6.74	3.03	1.51	1.93	0.97	2.62	2.40	11.62	1.67	1.44	4.96	0.79	1.00
1972-73 DELTA-P		-0.70	-2.08	-1.59	4.42	1.62#	-1.65#	-1.16*	1.11	10.60	2.20	-1.01	0.66	-2.21#	4.22*	-2.17	14.89	-1.78	-0.71	2.85	-3.42*	-1.59
1972-73 SE OF DP		1.49	1.63	1.56	3.77	0.61	0.63	0.50	1.39	5.60	2.35	1.71	0.96	0.73	1.84	2.39	10.87	2.04	1.89	4.25	1.45	1.45
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	9.53	11.67	5.41	14.21	6.68	8.02	11.06	11.16	2.72	3.56	4.08	5.68	7.66	13.88	5.74	10.82	3.85	12.77	12.00	9.09	11.14	7.88
1972-73 SE OF P-VAL	0.89	1.95	1.47	1.82	1.50	0.89	1.31	1.05	0.89	1.71	1.58	2.01	1.29	1.61	1.50	3.55	1.50	1.92	4.08	2.48	2.93	1.08
1972-73 DELTA-P		2.14	-4.12#	4.68#	-2.85*	-1.51*	1.53*	1.63#	-6.81#	-5.97#	-5.45#	-3.85*	-1.87	8.35#	-3.79*	1.29	-5.68#	3.24	2.47	-0.44	1.61	-1.65
1972-73 SE OF DP		1.68	1.31	1.52	1.37	0.71	0.69	0.31	1.10	1.83	1.76	1.78	0.94	1.08	1.69	3.29	1.66	1.94	3.69	2.20	2.73	1.22
RESPONSE: 03 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	27.42	23.55	30.69	24.83	30.[illegible]2	28.44	26.38	25.93	29.02	40.67	30.72	25.10	29.87	21.37	38.74	20.14	34.98	22.43	18.77	30.09	32.14	28.62
1972-73 SE OF P-VAL	1.76	2.59	4.41	3.83	2.49	1.84	2.34	1.80	4.29	4.62	3.60	4.80	2.69	2.34	3.58	[illegible].58	6.68	4.51	3.76	3.86	5.37	1.99
1972-73 DELTA-P		-3.87	3.27	-2.59	3.10	1.02	-1.04	-1.49*	1.60	13.25#	3.30	-2.32	2.45	-6.05#	11.32#	-7.28#	7.56	-4.99	-8.65*	2.67	4.72	1.20
1972-73 SE OF DP		2.56	3.57	3.17	2.47	1.15	1.17	0.72	3.68	4.33	3.15	4.00	2.03	1.60	3.27	2.77	6.34	4.29	3.61	3.61	4.45	1.61

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204104-34

72-73 Report #: UB261
69-70 Report #: U857

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Biological science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	01-15	01-25
69-70 Package-Exercise:	06-13	
72-73 National P-val: UB261	57.03	53.46
69-70 National P-value: UB261	60.66	
Timing: (in seconds)		
Stimulus:	46	51
Response:	47	*
I don't know:	5	*
Pause:	6	*
UB261 Exercise total:	104	*

*Time not limited by paced tape.

EXERCISE: 204104-34 0B261

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.12	0.36	0.00	0.00	0.08	0.18	0.06	0.00	1.17	0.00	0.00	0.00	0.00	0.00	1.95	0.00	1.21	0.00	0.00	0.27	0.00	0.00
1969-70 P-VALUE	0.03	0.11	0.00	0.00	0.00	0.00	0.06	0.00	0.33	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00
CHANGE P-VALUE	0.09	0.25	0.00	0.00	0.08	0.18	0.00	0.00	0.84	0.00	0.00	0.00	-0.08	0.00	1.95	0.00	0.79	0.00	0.00	0.27	0.00	0.00
1972-73 SE OF P-VAL	0.08	0.27	0.00	0.00	0.08	0.11	0.06	0.00	0.69	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.93	0.00	0.00	0.28	0.00	0.00
1969-70 SE OF P-VAL	0.03	0.10	0.00	0.00	0.00	0.00	0.05	0.00	0.32	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.09	0.29	0.00	0.00	0.08	0.11	0.08	0.00	0.76	0.00	0.00	0.00	0.08	0.00	1.10	0.00	1.02	0.00	0.00	0.28	0.00	0.00
1972-73 DELTA-P		0.24	-0.12	-0.12	-0.04	0.06	-0.06	-0.12	1.05	-0.12	-0.12	-0.12	-0.12	-0.12	1.83	-0.12	1.49	-0.12	-0.12	0.15	-0.12	-0.12
1969-70 DELTA-P		0.08	-0.03	-0.03	-0.03	-0.03	0.03	-0.03	0.30	-0.03	-0.03	-0.03	0.05	-0.03	-0.03	-0.03	0.39	-0.03	-0.03	-0.03	-0.03	-0.03
CHANGE DELTA-P		0.16	-0.09	-0.09	-0.01	0.09	-0.09	-0.09	0.75	-0.09	-0.09	-0.09	-0.17	-0.09	1.86	-0.09	0.70	-0.09	-0.09	0.18	-0.09	-0.09
1972-73 SE OF DP		0.20	0.08	0.08	0.09	0.04	0.04	0.08	0.62	0.08	0.08	0.08	0.08	0.08	1.03	0.08	0.87	0.08	0.08	0.25	0.08	0.08
1969-70 SE OF DP		0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.30	0.03	0.03	0.03	0.05	0.03	0.03	0.03	0.38	0.03	0.03	0.03	0.03	0.03
SE OF CHANGE DELTA-P		0.22	0.09	0.09	0.09	0.05	0.05	0.09	0.69	0.09	0.09	0.09	0.09	0.09	1.03	0.09	0.95	0.09	0.09	0.25	0.09	0.09
AGE: Ad																						
1972-73 P-VALUE	0.18	0.21	0.00	0.45	0.00	0.32	0.05	0.21	0.00	0.00	0.19	0.63	0.09	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.24	0.27
1972-73 SE OF P-VAL	0.12	0.20	0.00	0.39	0.00	0.24	0.05	0.14	0.00	0.00	0.19	0.63	0.09	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.22	0.27
1972-73 DELTA-P		0.03	-0.18	0.27	-0.18	0.14	-0.13	0.03	-0.18	-0.18	0.01	0.45	-0.09	-0.18	-0.18	-0.18	0.36	-0.18	-0.18	-0.18	0.06	0.09
1972-73 SE OF DP		0.19	0.12	0.28	0.12	0.13	0.12	0.02	0.12	0.12	0.18	0.53	0.13	0.12	0.12	0.12	0.51	0.12	0.12	0.12	0.23	0.18
RESPONSE: 04* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	57.03	55.13	53.69	59.15	59.45	59.60	54.54	60.93	36.29	38.52	45.61	45.55	56.24	63.73	39.85	44.96	40.78	69.98	45.38	59.26	58.47	58.94
1969-70 P-VALUE	60.66	60.11	49.66	64.17	63.94	61.69	59.66	62.70	39.25	60.34	55.03	53.65	58.01	66.41	26.50	57.32	47.23	70.28	55.04	66.79	64.45	59.41
CHANGE P-VALUE	-3.63	-4.98	4.03	-5.02	-4.49	-2.09	-5.12	-1.77	-2.96	-21.82	-9.42	-8.10	-1.77	-2.68	13.35	-12.36	-6.45	-0.30	-9.66	-7.53	-5.98	-0.47
1972-73 SE OF P-VAL	1.79	2.02	4.10	3.41	4.45	2.11	2.04	1.96	2.72	6.27	4.48	3.21	2.42	2.10	4.98	6.57	6.25	3.03	3.70	3.87	4.22	2.65
1969-70 SE OF P-VAL	1.35	1.99	2.93	2.65	2.72	1.85	1.84	1.36	3.78	11.72	5.69	3.08	2.21	1.84	8.62	6.55	3.37	3.05	3.63	4.25	3.25	1.86
SE OF CHANGE P-VALUE	2.24	2.84	5.04	4.32	5.22	2.81	2.75	2.39	4.66	13.29	7.24	4.45	3.28	2.79	9.96	9.28	7.10	4.30	5.18	5.75	5.33	3.24
1972-73 DELTA-P		-1.90	-3.34	2.12	2.42	2.57*	-2.49*	3.90#	-20.74#	-18.51#	-11.42#	-11.48#	-0.79	6.70#	-17.18#	-12.07	-16.25#	12.95#	-11.65#	2.23	1.44	1.91
1969-70 DELTA-P		-0.55	-11.00#	3.51	3.28	1.03	-1.00	2.04#	-21.41#	-0.32	-5.63	-7.01#	-2.65	5.75#	-34.16#	-3.34	-13.43#	9.62#	-5.62	6.13	3.79	-1.25
CHANGE DELTA-P		-1.35	7.66	-1.39	-0.86	1.54	-1.49	1.86	0.67	-18.19	-5.79	-4.47	1.86	0.95	16.98	-8.73	-2.82	3.33	-6.03	-3.90	-2.35	3.16
1972-73 SE OF DP		2.23	3.67	2.98	3.51	1.07	1.07	0.78	2.91	6.09	4.43	2.82	1.85	1.24	4.89	6.34	5.98	2.79	4.00	3.41	3.92	1.92
1969-70 SE OF DP		1.94	2.72	2.09	2.26	1.26	1.24	0.70	3.67	11.38	5.46	2.80	1.57	1.44	8.98	6.06	3.47	3.43	3.39	3.76	3.02	1.68
SE OF CHANGE DELTA-P		2.96	4.57	3.64	4.17	1.65	1.64	1.05	4.68	12.91	7.03	3.97	2.43	1.90	10.23	8.77	6.91	4.42	5.24	5.08	4.95	2.55
AGE: Ad																						
1972-73 P-VALUE	53.46	49.86	54.57	52.58	56.85	58.62	48.66	58.09	27.34	31.92	41.50	45.68	59.92	66.15	29.92	57.50	31.79	61.42	43.99	56.98	56.68	55.13
1972-73 SE OF P-VAL	1.64	2.00	3.50	3.41	3.15	2.06	2.00	1.65	3.89	6.33	2.87	3.89	2.16	2.38	5.84	5.52	3.35	4.26	5.40	3.72	3.15	2.08
1972-73 DELTA-P		-3.60	1.11	-0.88	3.39	5.16#	-4.80#	4.63#	-26.12#	-21.54#	-11.96#	-7.78*	6.46#	12.69#	-23.54#	4.04	-21.67#	7.96*	-9.47	3.52	3.22	1.67
1972-73 SE OF DP		2.61	3.16	2.76	2.73	1.31	1.20	0.70	3.72	5.96	2.37	3.32	2.00	1.85	5.71	5.11	3.45	3.94	4.79	3.20	3.16	1.60
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.78	8.51	9.08	8.45	9.15	8.33	9.22	8.28	12.96	8.53	14.27	10.91	8.77	6.86	14.50	14.11	13.34	8.05	13.93	7.19	9.61	6.57
1969-70 P-VALUE	6.61	8.12	7.69	4.86	6.58	6.83	6.40	6.14	11.52	6.70	7.37	8.93	7.72	4.77	14.08	7.69	10.16	7.37	6.05	6.39	5.17	6.45
CHANGE P-VALUE	2.17	0.39	1.39	3.59	2.57	1.50	2.82	2.14	1.44	1.83	6.90	1.98	1.05	2.09	0.46	6.42	3.18	0.68	7.88*	0.80	4.44	0.12
1972-73 SE OF P-VAL	0.87	1.01	1.78	2.26	1.75	0.99	1.14	0.94	1.94	2.53	3.15	2.04	1.38	1.06	3.79	5.08	3.31	2.10	3.26	1.35	2.72	1.18
1969-70 SE OF P-VAL	0.70	1.38	1.85	1.20	1.33	0.97	0.93	0.76	2.21	2.94	2.31	1.77	1.21	0.77	7.21	3.04	2.99	2.40	1.81	1.82	1.36	1.10
SE OF CHANGE P-VALUE	1.12	1.71	2.57	2.56	2.20	1.39	1.47	1.21	2.94	3.88	3.91	2.70	1.84	1.31	8.15	5.92	4.46	3.19	3.73	2.27	3.04	1.61
1972-73 DELTA-P		-0.27	0.30	-0.33	0.37	-0.45	0.44	-0.50	4.18*	-0.25	5.49	2.13	-0.01	-1.92#	5.72	5.33	4.56	-0.73	5.15	-1.59	0.83	-2.21*
1969-70 DELTA-P		1.51	1.08	-1.75	-0.03	0.22	-0.21	-0.47	4.91*	0.09	0.76	2.32	1.11	-1.84#	7.43	1.08	3.55	0.76	-0.56	-0.22	-1.44	-0.16
CHANGE DELTA-P		-1.78	-0.78	1.42	0.40	-0.67	0.65	-0.03	-0.73	-0.34	4.73	-0.19	-1.12	-0.08	-1.71	4.25	1.01	-1.49	5.71	-1.37	2.27	-2.05
1972-73 SE OF DP		1.10	1.43	1.00	1.48	0.63	0.62	0.26	1.72	2.59	3.02	1.93	1.11	0.71	3.53	4.78	3.11	2.06	3.03	1.40	2.53	0.97
1969-70 SE OF DP		1.19	1.68	0.99	1.17	0.65	0.63	0.27	2.17	2.92	2.25	1.64	0.84	0.58	7.04	2.87	2.96	2.35	1.77	1.63	1.15	0.90
SE OF CHANGE DELTA-P		1.62	2.34	2.05	1.89	0.91	0.88	0.37	2.77	3.90	3.77	2.53	1.39	0.92	7.88	5.58	4.29	3.13	3.51	2.15	2.78	1.32

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 204104-36 08261

This unreleased change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IID.

RESPONSE: 09 AGE: 46 TEXT: I Don't Know.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	11.06	15.06	11.93	11.79	8.92	9.70	13.87	10.71	20.60	12.87	13.56	16.30	11.15	6.93	19.63	11.28	20.63	8.60	12.93	11.08	12.69	10.67
1972-73 SE OF P-VAL	0.80	2.07	1.50	1.48	1.26	1.01	1.20	0.66	3.08	2.65	1.39	2.07	1.71	1.20	6.25	2.42	3.16	2.64	2.96	1.93	1.34	1.19
1972-73 DELTA-P		3.20	0.07	-0.07	-2.96*	-2.16#	2.01#	-1.15#	8.70#	1.01	1.72	4.52*	-0.71	-4.93#	7.77	-0.58	8.77#	-3.06	1.13	-0.70	0.82	-1.19
1972-73 SE OF DP		1.71	1.38	1.25	1.18	0.82	0.76	0.42	2.85	2.40	1.18	1.99	1.33	1.19	6.29	2.31	2.92	2.42	2.75	1.95	1.38	0.97

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 204108-3

72-73 Report #: UP262
69-70 Report #: U865

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: D. Understand and apply inquiry skills.

69-70 Obj: II. POSSESS THE ABILITIES AND SKILLS NEEDED TO ENGAGE IN THE PROCESSES OF SCIENCE.

Science Type: Physical science

Exercise Type: Multiple choice using drawings
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	10-07
69-70 Package-Exercise:	09-07
72-73 National P-val:	
UP262	21.53
69-70 National P-value:	
UP262	21.48
Timing: (in seconds)	
Stimulus:	20
Response:	60
I don't know:	5
Pause:	5
UP262 Exercise total:	90

EXERCISE: 204108-3 UP262

This unreleased change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IID.

RESPONSE: 00 AGE: 17 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.11	0.21	0.00	0.19	0.00	0.12	0.10	0.07	0.41	0.00	0.00	0.00	0.00	0.08	1.07	0.00	1.29	0.00	0.10	0.00	0.00	0.00
1969-70 P-VALUE	0.11	0.00	0.50	0.08	0.00	0.23	0.00	0.07	0.38	0.00	0.00	0.19	0.00	0.17	0.00	0.61	0.00	0.00	0.00	0.25	0.21	0.00
CHANGE P-VALUE	0.00	0.21	-0.50	0.11	0.00	-0.11	0.10	0.00	0.03	0.00	0.00	-0.19	0.00	-0.09	1.07	-0.61	1.29	0.00	0.10	-0.25	-0.21	0.00
1972-73 SE OF P-VAL	0.06	0.20	0.00	0.13	0.00	0.08	0.10	0.05	0.40	0.00	0.00	0.00	0.00	0.07	0.81	0.00	0.78	0.00	0.10	0.00	0.00	0.00
1969-70 SE OF P-VAL	0.06	0.00	0.32	0.10	0.00	0.13	0.00	0.06	0.31	0.00	0.00	0.22	0.00	0.11	0.00	0.51	0.00	0.00	0.00	0.29	0.22	0.00
SE OF CHANGE P-VALUE	0.08	0.20	0.32	0.16	0.00	0.15	0.10	0.08	0.51	0.00	0.00	0.22	0.00	0.13	0.81	0.51	0.78	0.00	0.10	0.29	0.22	0.00
1972-73 DELTA-P		0.10	-0.11	0.08	-0.11	0.01	-0.01	-0.04	0.30	-0.11	-0.11	-0.11	-0.11	-0.03	0.96	-0.11	1.18	-0.11	-0.01	-0.11	-0.11	-0.11
1969-70 DELTA-P		-0.11	0.39	-0.03	-0.11	0.12	-0.11	-0.04	0.27	-0.11	-0.11	0.08	-0.11	0.06	-0.11	0.50	-0.11	-0.11	-0.11	0.14	0.10	-0.11
CHANGE DELTA-P		0.21	-0.50	0.11	0.00	-0.11	0.10	0.00	0.03	0.00	0.00	-0.19	0.00	-0.09	1.07	-0.61	1.29	0.00	0.10	-0.25	-0.21	0.00
1972-73 SE OF DP		0.16	0.06	0.11	0.06	0.07	0.06	0.05	0.35	0.06	0.06	0.06	0.06	0.07	0.75	0.06	0.72	0.06	0.12	0.06	0.06	0.06
1969-70 SE OF DP		0.06	0.27	0.08	0.06	0.07	0.06	0.04	0.27	0.06	0.06	0.19	0.06	0.06	0.06	0.47	0.06	0.06	0.06	0.26	0.18	0.06
SE OF CHANGE DELTA-P		0.17	0.28	0.14	0.08	0.10	0.08	0.06	0.44	0.08	0.08	0.20	0.08	0.09	0.75	0.47	0.72	0.08	0.13	0.27	0.19	0.08

RESPONSE: 04* AGE: 17 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	21.53	20.04	21.15	20.10	24.99	23.70	19.57	21.97	18.71	21.71	21.02	13.83	19.72	25.37	17.64	15.26	20.72	27.36	16.90	14.40	22.78	25.35
1969-70 P-VALUE	21.48	22.29	17.68	24.25	19.81	23.28	19.84	22.33	17.19	15.80	11.90	20.25	18.61	24.24	38.31	21.17	15.93	26.95	26.57	22.76	19.52	19.65
CHANGE P-VALUE	0.05	-2.25	3.47	-4.15	5.18	0.42	-0.27	-0.36	1.52	5.91	9.12	-6.42	1.11	1.13	-20.67	-5.91	4.79	0.41	-9.67	-8.36	3.26	5.70
1972-73 SE OF P-VAL	1.36	2.15	1.75	3.41	2.41	1.85	1.53	1.57	2.22	3.45	5.15	2.53	2.01	2.05	4.20	4.85	3.70	3.65	4.17	2.08	2.91	2.15
1969-70 SE OF P-VAL	1.41	2.25	1.74	3.59	2.01	1.74	1.81	1.57	3.15	5.46	3.73	2.58	2.16	1.82	12.20	2.79	3.31	4.01	3.43	3.67	3.09	2.78
SE OF CHANGE P-VALUE	1.96	3.25	2.47	4.95	3.14	2.54	2.37	2.22	3.85	6.46	6.36	3.61	2.95	2.74	12.90	5.60	4.96	5.42	5.40	4.22	4.24	3.51
1972-73 DELTA-P		-1.49	-0.38	-1.43	3.46	2.17*	-1.96*	0.44	-2.82	0.18	-0.51	-7.70#	-1.81	3.84#	-3.89	-6.27	-0.81	5.83	-4.63	-7.13#	1.25	3.82*
1969-70 DELTA-P		0.81	-3.80	2.77	-1.67	1.80	-1.64	0.85	-4.29	-5.68	-9.58#	-1.23	-2.87	2.76#	16.83	-0.31	-5.55	5.47	5.09	1.28	-1.96	-1.83
CHANGE DELTA-P		-2.30	3.42	-4.20	5.13	0.37	-0.32	-0.41	1.47	5.86	9.07	-6.47	1.06	1.08	-20.72	-5.96	4.74	0.36	-9.72	-8.41*	3.21	5.65*
1972-73 SE OF DP		2.15	1.90	2.60	2.15	1.04	0.95	0.46	2.37	3.25	4.81	2.67	1.51	1.31	4.16	4.34	3.71	3.46	4.18	2.08	2.79	1.57
1969-70 SE OF DP		2.14	2.02	2.58	1.96	1.14	1.04	0.47	2.99	5.47	3.60	2.45	1.51	1.10	12.22	2.95	3.24	3.86	3.23	3.49	2.69	2.16
SE OF CHANGE DELTA-P		3.03	2.77	3.66	2.91	1.54	1.41	0.66	3.82	6.36	6.01	3.62	2.14	1.71	12.91	5.25	4.93	5.18	5.28	4.06	3.88	2.67

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	27.33	30.18	23.86	31.07	23.08	23.74	30.58	28.24	24.22	21.64	20.73	25.92	28.69	27.62	27.92	26.75	23.67	33.10	31.13	30.82	31.04	22.46
1969-70 P-VALUE	27.63	23.80	25.95	29.79	29.64	25.36	29.70	28.12	25.09	24.57	27.80	30.72	26.58	27.22	33.28	20.33	30.84	23.34	23.54	26.42	27.31	32.39
CHANGE P-VALUE	-0.30	6.38*	-2.09	1.28	-6.56	-1.62	0.88	0.12	-0.87	-2.93	-7.07	-4.80	2.11	0.40	-5.36	6.42	-7.17	9.76*	7.59	4.40	3.73	-9.93#
1972-73 SE OF P-VAL	1.22	2.03	2.30	2.54	2.34	1.85	1.54	1.33	3.25	4.73	3.56	3.65	2.07	1.88	3.55	4.88	4.87	3.80	4.07	2.84	3.57	1.74
1969-70 SE OF P-VAL	1.42	2.17	3.00	3.12	2.50	1.58	2.16	1.58	3.60	9.17	7.91	3.03	2.04	1.75	7.84	3.75	3.71	2.99	2.06	4.06	3.33	2.57
SE OF CHANGE P-VALUE	1.87	2.97	3.78	4.02	3.42	2.43	2.65	2.07	4.85	10.32	8.67	4.74	2.91	2.57	8.61	6.15	6.12	4.84	4.56	4.95	4.88	3.10
1972-73 DELTA-P		2.85	-3.47	3.74	-4.25*	-3.59#	3.25#	0.91	-3.11	-5.69	-6.60	-1.41	1.36	0.29	0.59	-0.58	-3.66	5.77	3.80	3.49	3.71	-4.87#
1969-70 DELTA-P		-3.83	-1.68	2.16	2.01	-2.27	2.07	0.49	-2.54	-3.06	0.17	3.09	-1.05	-0.41	5.65	-7.30*	3.21	-4.29	-4.09	-1.21	-0.32	4.76*
CHANGE DELTA-P		6.68*	-1.79	1.58	-6.26*	-1.32	1.18	0.42	-0.57	-2.63	-6.77	-4.50	2.41	0.70	-5.06	6.72	-6.87	10.06*	7.89	4.70	4.03	-9.63#
1972-73 SE OF DP		1.88	2.13	2.03	2.00	1.24	1.11	0.49	2.98	4.65	3.62	3.48	1.65	1.21	3.62	4.61	4.78	3.49	3.88	2.82	3.31	1.88
1969-70 SE OF DP		2.10	2.81	2.34	2.23	1.33	1.22	0.56	3.54	9.02	7.34	2.60	1.77	1.05	7.87	3.62	3.63	3.07	2.28	3.68	2.81	1.93
SE OF CHANGE DELTA-P		2.82	3.53	3.10	3.00	1.82	1.65	0.74	4.63	10.15	8.18	4.39	2.42	1.60	8.66	5.86	6.00	4.65	4.50	4.64	4.34	2.41

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 205010-234

72-73 Report #: UP263

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.

72-73 Subobj: E. Understand and apply the scientific enterprise.

Science Type: Physical science

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	08-03	04-10	02-01
72-73 National P-val:			
UP263	39.68	49.08	47.23
Timing: (in seconds)			
Stimulus:	14	14	19
Response:	11	11	*
I don't know:	5	5	*
Pause:	6	5	*
UP263 Exercise total:	36	35	*

*Time not limited by paced tape.

10

EXERCISE: 205010-234 UP263

This unreleased non-change exercise dealt with PHYSICAL SCIENCE measuring the 1972-73 Objective IIB.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTHEAST	SOUTHEAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.08	0.00	0.00	0.18	0.13	0.00	0.16	0.00	0.37	0.42	0.00	0.00	0.17	0.00	0.20	0.00	0.42	0.00	0.46	0.00	0.00	0.00
1972-73 SE OF P-VAL	0.06	0.00	0.00	0.18	0.12	0.00	0.11	0.00	0.36	0.40	0.00	0.00	0.17	0.00	0.20	0.00	0.41	0.00	0.48	0.00	0.00	0.00
1972-73 DELTA-P		-0.08	-0.08	0.10	0.05	-0.08	0.08	-0.08	0.29	0.34	-0.08	-0.08	0.09	-0.08	0.12	-0.08	0.34	-0.08	0.38	-0.08	-0.08	-0.08
1972-73 SE OF DP		0.06	0.06	0.14	0.10	0.06	0.06	0.06	0.31	0.38	0.06	0.06	0.12	0.06	0.17	0.06	0.39	0.06	0.44	0.06	0.06	0.06
AGE: 17																						
1972-73 P-VALUE	0.29	0.87	0.23	0.02	0.00	0.30	0.28	0.28	0.46	0.00	0.00	0.39	0.14	0.01	3.50	0.00	1.05	1.26	0.06	0.00	0.00	0.15
1972-73 SE OF P-VAL	0.16	0.56	0.23	0.02	0.00	0.15	0.22	0.18	0.35	0.00	0.00	0.39	0.14	0.01	2.44	0.00	0.74	1.24	0.06	0.00	0.00	0.15
1972-73 DELTA-P		0.58	-0.06	-0.27	-0.29	0.01	-0.01	-0.01	0.17	-0.29	-0.29	0.10	-0.15	-0.28	3.21	-0.29	0.76	0.97	-0.23	-0.29	-0.29	-0.14
1972-73 SE OF DP		0.41	0.24	0.16	0.16	0.10	0.11	0.05	0.35	0.16	0.16	0.38	0.18	0.16	2.29	0.16	0.69	1.11	0.17	0.16	0.16	0.18
AGE: AD																						
1972-73 P-VALUE	0.12	0.49	0.00	0.00	0.00	0.10	0.14	0.14	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.12
1972-73 SE OF P-VAL	0.09	0.35	0.00	0.00	0.00	0.09	0.14	0.10	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.12
1972-73 DELTA-P		0.37	-0.12	-0.12	-0.12	-0.02	0.02	0.02	-0.12	-0.12	-0.12	-0.12	0.26	-0.12	-0.12	-0.12	-0.12	-0.12	0.73	-0.12	-0.12	0.00
1972-73 SE OF DP		0.27	0.09	0.09	0.09	0.09	0.08	0.02	0.09	0.09	0.09	0.09	0.18	0.09	0.09	0.09	0.09	0.09	0.74	0.09	0.09	0.10
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	39.68	41.63	39.54	42.10	35.43	41.96	37.36	39.64	37.52	43.75	36.28	30.23	40.70	41.73	38.80	43.01	41.20	39.15	48.49	35.71	38.23	38.23
1972-73 SE OF P-VAL	1.40	3.32	3.06	2.66	1.97	1.65	2.23	1.68	3.02	3.41	5.28	4.21	2.25	2.11	2.75	4.30	4.67	4.36	4.10	3.38	2.88	2.58
1972-73 DELTA-P		1.95	-0.14	2.42	-4.25*	2.28	-2.32	-0.04	-2.16	4.07	-3.40	-9.45*	1.02	2.05	-0.88	3.33	1.52	-0.53	8.81*	-3.97	-1.45	-1.45
1972-73 SE OF DP		2.78	2.57	2.29	1.98	1.36	1.40	0.58	2.99	3.50	5.21	4.03	1.88	1.30	2.56	4.06	4.40	4.01	3.95	3.19	2.65	2.09
AGE: 17																						
1972-73 P-VALUE	49.08	51.93	46.83	46.44	51.00	49.96	48.18	48.05	52.62	58.34	34.17	45.54	46.34	54.20	43.98	47.18	50.03	55.08	54.35	49.61	48.10	45.32
1972-73 SE OF P-VAL	1.69	3.98	3.58	3.43	1.95	2.11	2.32	1.86	4.55	5.19	5.16	3.33	2.06	2.09	5.77	4.09	4.00	6.56	4.42	2.01	2.99	3.44
1972-73 DELTA-P		2.85	-2.25	-2.64	1.92	0.88	-0.90	-1.03	3.54	9.26	-14.91#	-3.54	-2.74	5.12#	-5.10	-1.90	0.95	6.00	5.27	0.53	-0.98	-3.76
1972-73 SE OF DP		3.20	3.29	2.75	2.23	1.39	1.44	0.67	4.22	5.16	4.58	3.46	1.92	1.69	5.42	4.75	4.60	5.91	4.18	2.41	2.93	2.66
AGE: AD																						
1972-73 P-VALUE	47.23	49.69	44.05	46.35	48.53	53.28	41.60	48.34	38.54	46.65	44.56	42.88	47.20	53.63	40.61	45.37	45.37	50.51	50.72	46.48	47.37	46.35
1972-73 SE OF P-VAL	1.33	2.91	2.21	3.05	2.08	1.77	1.72	1.46	3.84	4.72	2.89	3.15	2.17	2.24	7.28	3.18	4.64	3.69	3.75	4.26	2.68	2.10
1972-73 DELTA-P		2.46	-3.18	-0.88	1.30	6.05#	-5.63#	1.11*	-8.69*	-0.58	-2.67	-4.35	-0.03	6.40#	-6.62	-1.86	-1.86	3.28	3.49	-0.75	0.14	-0.88
1972-73 SE OF DP		2.47	2.15	2.39	1.97	1.23	1.12	0.55	3.58	4.75	2.26	2.09	1.51	1.88	7.24	3.30	4.13	3.42	3.69	3.87	2.53	1.61
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	7.64	7.49	6.74	8.55	7.71	5.69	9.62	8.10	4.53	7.95	8.25	7.00	7.32	8.08	7.14	2.85	7.61	8.89	5.67	8.39	7.06	9.35
1972-73 SE OF P-VAL	0.75	1.29	1.97	1.44	1.10	0.84	1.05	0.93	1.28	2.34	2.62	2.13	1.19	1.07	1.41	0.94	1.79	3.30	1.42	2.01	1.23	1.59
1972-73 DELTA-P		-0.15	-0.90	0.91	0.07	-1.95*	1.98#	0.46	-3.11*	0.31	0.61	-0.64	-0.32	0.44	-0.50	-4.79#	-0.03	1.25	-1.97	0.75	-0.58	1.71
1972-73 SE OF DP		1.21	1.58	1.24	1.08	0.57	0.61	0.30	1.52	2.21	2.43	1.87	0.99	0.70	1.37	1.12	1.93	3.08	1.47	1.82	1.24	1.17
AGE: 17																						
1972-73 P-VALUE	7.95	6.92	6.83	8.20	9.79	6.70	9.23	8.47	5.68	4.38	6.29	5.11	9.72	7.22	10.60	3.68	6.57	8.11	10.88	8.77	10.07	7.07
1972-73 SE OF P-VAL	0.70	1.15	0.84	1.44	1.75	0.93	1.04	0.76	1.37	2.49	2.53	1.40	1.51	0.93	2.44	1.54	2.37	1.07	2.55	2.05	2.27	1.17
1972-73 DELTA-P		-1.03	-1.12	0.25	1.84	-1.25	1.28	0.52	-2.27	-3.57	-1.66	-2.84*	1.77	-0.73	2.65	-4.27#	-1.38	0.16	2.93	0.82	2.12	-0.88
1972-73 SE OF DP		1.03	0.96	1.15	1.46	0.67	0.72	0.27	1.23	2.85	2.43	1.33	1.16	0.72	2.53	1.50	2.32	1.84	2.40	1.88	1.97	1.00
AGE: AD																						
1972-73 P-VALUE	3.98	2.53	4.96	4.51	3.94	1.47	6.31	3.70	5.53	5.28	5.66	3.44	3.74	1.25	17.08	5.37	5.07	3.08	3.80	3.06	3.55	4.19
1972-73 SE OF P-VAL	0.54	0.85	1.46	1.13	0.87	0.38	0.89	0.59	2.20	1.89	1.01	1.03	0.85	0.55	6.74	1.32	1.65	1.44	1.48	1.09	1.96	0.90
1972-73 DELTA-P		-1.45	0.98	0.53	-0.04	-2.51#	2.33#	-0.28	1.55	1.30	1.68	-0.54	-0.24	-2.73#	13.10*	1.39	1.09	-0.90	-0.18	-0.92	-0.43	0.21
1972-73 SE OF DP		0.81	1.24	0.91	0.81	0.46	0.83	0.26	2.10	1.87	0.93	0.96	0.57	0.61	6.51	1.35	1.58	1.34	1.37	1.03	1.79	0.70

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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NAEP #:          205015-12

72-73 Report #: UB264

72-73 Obj:      II. UNDERSTAND  AND APPLY THE FUNDAMENTAL ASPECTS
                    OF SCIENCE  IN  A  WIDE  RANGE  OF   PROBLEM
                    SITUATIONS.
72-73 Subobj:   E. Understand    and    apply    the    scientific
                    enterprise.

Science Type:       Biological science


Exercise Type:          Multiple choice plus short answer
Scoring Type:           Machine plus semi-professional
Administration Mode:    Individual for age 9/Group at other ages

Age:                             __9__    _13__
72-73 Package-Exercise:          09-07    06-04

72-73 National P-val:
          UB264B                 25.26    50.91

Timing: (in seconds)
                     Stimulus:    *        15
                     Response:    *         5
                  I don't know:   *         5
                        Pause:    *         6
   UB264A          Part total:    *        31
                     Stimulus:    *         3
                     Response:    *        57
   UB264B          Part total:    *        60
   UB264       Exercise total:    *        91
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*Time not limited by paced tape.

EXERCISE: 205015-12 08264

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective III.

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9 TEXT: No Response.																						
1972-73 P-VALUE	2.25	2.12	2.24	2.21	2.45	1.45	3.09	1.22	4.01	11.65	6.15	1.21	1.81	1.05	3.74	5.40	4.85	0.67	1.30	0.79	0.87	2.75
1972-73 SE OF P-VAL	0.44	0.70	0.85	0.73	1.24	0.47	0.59	0.35	1.28	4.16	2.99	0.89	0.80	0.50	0.79	2.34	1.85	0.53	0.74	0.54	0.51	0.73
1972-73 DELTA-P		-0.13	-0.01	-0.04	0.20	-0.80#	0.84#	-1.03#	1.76	9.40*	3.90	-1.04	-0.44	-1.20#	1.49#	3.15	2.60	-1.58*	-0.95	-1.46*	-1.38*	0.50
1972-73 SE OF DP		0.66	0.75	0.65	1.02	0.31	0.32	0.35	1.12	3.93	2.73	0.87	0.74	0.44	0.59	2.10	1.74	0.65	0.79	0.64	0.60	0.52
AGE: 13																						
1972-73 P-VALUE	2.95	2.76	2.02	3.47	3.37	3.47	2.47	2.36	5.97	5.37	6.84	5.76	2.38	1.25	5.78	5.41	5.96	1.34	4.93	2.92	2.58	1.85
1972-73 SE OF P-VAL	0.43	1.19	0.62	0.65	0.92	0.65	0.44	0.34	1.59	2.52	2.63	1.75	0.65	0.37	1.57	1.70	1.65	0.62	1.87	1.35	0.79	0.53
1972-73 DELTA-P		-0.19	-0.93	0.52	0.42	0.52	-0.48	-0.59*	3.02*	2.42	3.89	2.81	-0.57	-1.70#	2.83	2.46	3.01	-1.61*	1.98	-0.03	-0.37	-1.10*
1972-73 SE OF DP		0.96	0.62	0.61	0.78	0.36	0.33	0.26	1.35	2.33	2.43	1.63	0.57	0.43	1.42	1.59	1.53	0.70	1.69	1.18	0.81	0.52
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	25.26	28.86	16.08	30.64	22.13	28.91	21.40	29.47	9.90	6.56	21.44	12.02	21.91	32.73	21.59	22.94	11.77	35.55	22.04	27.20	28.64	24.43
1972-73 SE OF P-VAL	1.33	2.85	2.43	2.34	3.01	1.54	1.84	1.53	1.86	2.13	6.56	3.75	2.56	1.93	1.78	4.13	3.78	3.60	2.85	4.11	3.64	2.25
1972-73 DELTA-P		3.60	-7.18#	5.38#	-3.13	3.65#	-3.86#	4.21#	-15.36#	-18.70#	-3.82	-13.24#	-3.35	7.47#	-3.67*	-2.32	-13.49#	10.29#	-3.22	1.94	3.38	-0.83
1972-73 SE OF DP		2.40	2.17	2.04	2.64	1.08	1.08	0.52	2.05	2.42	6.49	3.87	1.81	1.24	1.62	4.06	3.44	3.31	2.83	3.74	3.36	1.86
AGE: 13																						
1972-73 P-VALUE	50.91	52.56	47.76	51.79	51.14	54.02	48.03	55.69	20.82	34.70	38.57	43.82	50.80	59.00	37.51	52.14	32.37	60.14	44.03	51.04	50.09	52.98
1972-73 SE OF P-VAL	1.59	2.48	2.68	4.31	2.11	2.04	1.80	1.62	2.25	4.46	6.65	4.68	2.29	1.79	2.86	5.95	3.72	3.58	3.36	4.53	4.16	2.69
1972-73 DELTA-P		1.65	-3.15	0.88	0.23	3.11#	-2.88#	4.78#	-26.49#	-16.21#	-12.34	-7.09	-0.11	8.09#	-13.40#	1.23	-18.54#	9.23#	-6.88	0.13	-0.82	2.07
1972-73 SE OF DP		2.39	2.57	3.21	2.18	1.13	1.05	0.63	2.31	4.29	6.54	4.19	1.59	1.26	2.43	5.42	3.79	3.38	3.50	4.28	3.98	2.14
RESPONSE: 03 AGE: 9 TEXT: I Don't Know.																						
1972-73 P-VALUE	4.95	4.85	5.84	5.35	3.61	4.16	5.78	4.49	5.68	9.29	3.50	3.87	4.08	3.39	8.07	5.83	10.19	2.17	4.77	4.71	4.51	4.78
1972-73 SE OF P-VAL	0.50	1.20	0.90	0.91	0.89	0.62	0.65	0.56	1.26	2.53	1.58	1.88	0.87	0.74	1.13	1.55	2.09	1.48	1.00	1.13	1.39	0.79
1972-73 DELTA-P		-0.10	0.89	0.40	-1.34	-0.79*	0.83*	-0.46	0.73	4.34	-1.45	-1.08	-0.87	-1.56#	3.12#	0.88	5.24#	-2.78*	-0.18	-0.24	-0.44	-0.17
1972-73 SE OF DP		0.98	0.82	0.78	0.82	0.39	0.41	0.24	1.17	2.48	1.52	1.04	0.76	0.60	0.96	1.45	1.93	1.35	0.98	1.01	1.31	0.64
AGE: 13																						
1972-73 P-VALUE	1.53	1.16	1.19	2.46	1.11	1.25	1.79	1.27	3.57	1.37	1.42	1.76	1.64	1.34	1.82	2.51	2.10	0.94	0.20	1.43	0.89	1.96
1972-73 SE OF P-VAL	0.31	0.42	0.48	0.90	0.43	0.35	0.51	0.32	1.26	0.88	0.90	1.12	0.40	0.51	0.71	1.63	1.31	0.62	0.22	0.59	0.49	0.55
1972-73 DELTA-P		-0.37	-0.34	0.93	-0.42	-0.28	0.26	-0.26	2.04	-0.16	-0.11	0.23	0.07	-0.19	0.29	0.98	0.57	-0.59	-1.33#	-0.10	-0.64	0.43
1972-73 SE OF DP		0.44	0.48	0.66	0.44	0.33	0.30	0.16	1.12	0.89	0.83	1.08	0.33	0.35	0.64	1.46	1.25	0.61	0.37	0.61	0.52	0.42

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 205019-1

72-73 Report #: 00265
69-70 Report #: 0679

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: E. Understand and apply the scientific enterprise.

69-70 Obj: III. UNDERSTAND THE INVESTIGATIVE NATURE OF SCIENCE.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	05-03
69-70 Package-Exercise:	07-03

72-73 National P-val:	
00265	19.31
69-70 National P-value:	
00265	22.06

Timing: (in seconds)

	Stimulus:	14
	Response:	35
	I don't know:	5
	Pause:	6
00265	Exercise total:	60

205019-1   00265

EXERCISE: 205019-1   00265

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIB.

RESPONSE: 00   AGE: 9   TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF CO			
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY
1972-73 P-VALUE	1.37	1.61	2.83	0.35	0.75	1.06	1.68	1.53	0.84	0.81	0.67	0.67	0.74	1.06	2.12	0.36	1.03	0.79	1.20
1969-70 P-VALUE	0.87	0.09	2.32	0.70	0.53	1.11	0.61	0.55	3.28	1.54	0.00	1.08	0.39	0.46	1.74	4.40	2.33	0.00	0.00
CHANGE P-VALUE	0.50	1.52#	0.51	-0.35	0.22	-0.05	1.07	0.98	-2.44	-0.73	0.67	-0.41	0.35	0.60	0.38	-4.04	-1.30	0.79	1.20
1972-73 SE OF P-VAL	0.43	0.52	1.68	0.22	0.32	0.39	0.73	0.53	0.48	0.61	0.68	0.49	0.39	0.45	0.92	0.38	0.67	0.45	0.67
1969-70 SE OF P-VAL	0.27	0.09	0.96	0.38	0.36	0.35	0.41	0.30	1.48	0.89	0.00	1.11	0.46	0.35	0.70	2.44	0.65	0.00	0.00
SE OF CHANGE P-VALUE	0.51	0.53	1.93	0.44	0.48	0.52	0.84	0.61	1.56	1.08	0.68	1.21	0.60	0.57	1.16	2.47	0.93	0.45	0.67
1972-73 DELTA-P		0.24	1.46	-1.02*	-0.62	-0.31	0.31	0.16	-0.53	-0.56	-0.70	-0.70	-0.63	-0.31	0.75	-1.01	-0.34	-0.58	-0.17
1969-70 DELTA-P		-0.78#	1.45	-0.17	-0.34	0.24	-0.26	-0.32*	2.41	0.67	-0.87#	0.21	-0.48	-0.41	0.87	3.53	1.46*	-0.87#	-0.87#
CHANGE DELTA-P		1.02	0.01	-0.85	-0.28	-0.55	0.57	0.48#	-2.94	-1.23	0.17	-0.91	-0.15	0.10	-0.12	-4.54	-1.80	0.29	0.70
1972-73 SE OF DP		0.57	1.29	0.46	0.48	0.39	0.39	0.14	0.52	0.70	0.75	0.63	0.50	0.42	0.55	0.54	0.74	0.58	0.72
1969-70 SE OF DP		0.28	0.74	0.37	0.38	0.26	0.28	0.16	1.40	0.95	0.27	1.07	0.39	0.40	0.53	2.27	0.68	0.27	0.27
SE OF CHANGE DELTA-P		0.64	1.49	0.59	0.61	0.47	0.48	0.21	1.49	1.18	0.80	1.24	0.63	0.58	0.76	2.33	1.00	0.64	0.77

RESPONSE: 03*   AGE: 9   TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY
1972-73 P-VALUE	19.31	24.23	14.51	21.50	17.10	18.54	20.08	22.25	9.25	9.73	12.55	21.46	18.82	27.58	13.15	16.51	4.16	30.16	22.01
1969-70 P-VALUE	22.06	22.46	19.73	24.12	21.40	21.80	22.34	24.41	9.50	9.16	15.16	20.72	20.93	28.25	17.33	16.43	11.53	35.15	19.10
CHANGE P-VALUE	-2.75	1.77	-5.22	-2.62	-4.30	-3.26	-2.26	-2.16	-0.25	0.57	-2.61	0.74	-2.11	-0.67	-4.18	0.08	-7.37#	-4.99	2.91
1972-73 SE OF P-VAL	1.09	2.19	2.19	2.60	1.60	1.26	1.63	1.28	1.28	2.30	4.01	7.52	2.40	1.72	1.37	3.61	1.19	3.30	2.23
1969-70 SE OF P-VAL	1.31	2.42	2.83	2.72	2.41	1.55	1.73	1.43	2.07	2.27	4.41	4.90	2.23	2.15	1.87	3.15	1.82	5.37	3.42
SE OF CHANGE P-VALUE	1.70	3.26	3.58	3.76	2.89	2.00	2.38	1.92	2.43	3.29	5.96	8.98	3.28	2.75	2.32	4.79	2.17	6.30	4.08
1972-73 DELTA-P		4.92#	-4.80#	2.19	-2.21	-0.77	0.77	2.94#	-10.06#	-9.58#	-6.76	2.15	-0.49	8.27#	-6.16#	-2.80	-15.15#	10.85#	2.70
1969-70 DELTA-P		0.40	-2.33	2.06	-0.66	-0.26	0.28	2.35#	-12.56#	-12.90#	-6.90	-1.34	-1.13	6.19#	-4.73#	-5.63	-10.53#	13.09#	-2.96
CHANGE DELTA-P		4.52	-2.47	0.13	-1.55	-0.51	0.49	0.59	2.50	3.32	0.14	3.49	0.64	2.08	-1.43	2.83	-4.62	-2.24	5.66
1972-73 SE OF DP		1.92	1.92	2.13	1.55	0.96	0.96	0.45	1.43	2.22	3.84	7.39	1.87	1.33	1.26	3.34	1.42	2.98	2.13
1969-70 SE OF DP		2.11	2.48	2.24	2.22	0.96	1.02	0.41	2.17	2.48	4.40	4.81	1.99	1.52	1.44	3.18	2.16	5.03	3.27
SE OF CHANGE DELTA-P		2.85	3.14	3.09	2.71	1.36	1.40	0.61	2.60	3.33	5.84	8.83	2.73	2.02	1.91	4.61	2.58	5.83	3.90

RESPONSE: 09   AGE: 9   TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY
1972-73 P-VALUE	4.88	5.47	5.72	3.06	5.34	4.03	5.73	3.62	10.12	7.04	9.02	5.51	3.14	2.54	7.16	6.78	8.87	3.73	5.84
1969-70 P-VALUE	5.77	6.05	5.17	6.54	5.10	5.01	6.58	5.25	10.36	5.75	7.54	4.47	5.86	3.10	8.52	2.66	9.93	3.22	4.72
CHANGE P-VALUE	-0.89	-0.58	0.55	-3.48*	0.24	-0.98	-0.85	-1.63	-0.24	1.29	1.48	1.04	-2.72	-0.56	-1.36	4.12	-1.06	0.51	1.12
1972-73 SE OF P-VAL	0.59	1.31	1.45	0.94	0.90	0.76	0.79	0.52	2.04	2.20	2.39	1.81	0.72	0.51	1.18	2.23	3.07	1.12	1.23
1969-70 SE OF P-VAL	0.71	1.46	1.67	1.17	1.30	0.85	1.03	0.71	3.45	1.55	3.55	2.17	1.27	0.72	1.07	2.14	2.22	1.33	1.11
SE OF CHANGE P-VALUE	0.92	1.96	2.21	1.50	1.58	1.14	1.30	0.88	4.01	2.69	4.28	2.83	1.46	0.88	1.59	3.09	3.79	1.74	1.66
1972-73 DELTA-P		0.59	0.84	-1.82*	0.46	-0.85	0.85	-1.26#	5.24#	2.16	4.14	0.63	-1.74*	-2.34#	2.28#	1.90	3.99	-1.15	0.96
1969-70 DELTA-P		0.28	-0.60	0.77	-0.67	-0.76	0.81	-0.52	4.59	-0.02	1.77	-1.30	0.09	-2.67#	2.75#	-3.11	4.16	-2.55	-1.05
CHANGE DELTA-P		0.31	1.44	-2.59	1.13	-0.09	0.04	-0.74	0.65	2.18	2.37	1.93	-1.83	0.33	-0.47	5.01	-0.17	1.40	2.01
1972-73 SE OF DP		1.11	1.18	0.87	0.86	0.50	0.50	0.38	1.75	2.04	2.22	1.76	0.73	0.61	0.73	2.04	2.82	1.11	1.16
1969-70 SE OF DP		1.23	1.40	1.05	1.18	0.61	0.64	0.39	3.17	1.67	3.26	2.10	0.95	0.73	0.74	2.06	2.19	1.44	1.20
SE OF CHANGE DELTA-P		1.66	1.83	1.36	1.46	0.79	0.81	0.54	3.62	2.64	3.94	2.74	1.20	0.95	1.04	2.90	3.57	1.82	1.67

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 205020-2

72-73 Report #: U0266
69-70 Report #: U767

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: E. Understand and apply the scientific enterprise.

69-70 Obj: III. UNDERSTAND THE INVESTIGATIVE NATURE OF SCIENCE.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13
72-73 Package-Exercise:	04-19
69-70 Package-Exercise:	01-05
72-73 National P-val: U0266	88.32
69-70 National P-value: U0266	89.00

Timing: (in seconds)

	Stimulus:	28
	Response:	21
	I don't know:	5
	Pause:	6
U0266	Exercise total:	60

102

EXERCISE: 205020-2 U0266

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIE.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.75	0.86	0.85	0.72	0.59	0.45	1.07	0.68	1.37	0.55	0.53	0.06	1.03	0.52	1.28	0.36	1.21	0.00	1.53	0.68	0.47	0.83
1969-70 P-VALUE	0.32	0.39	0.27	0.29	0.33	0.25	0.39	0.30	0.50	0.00	0.23	0.56	0.34	0.30	0.19	0.10	0.52	0.29	0.46	1.07	0.00	0.20
CHANGE P-VALUE	0.43	0.47	0.58	0.43	0.26	0.20	0.68	0.38	0.87	0.55	0.30	-0.50	0.69	0.22	1.09	0.26	0.69	-0.29	1.07	-0.39	0.47	0.63
1972-73 SE OF P-VAL	0.20	0.27	0.47	0.48	0.32	0.19	0.37	0.22	0.66	0.46	0.41	0.05	0.33	0.25	0.58	0.29	0.83	0.00	1.14	0.12	0.33	0.37
1969-70 SE OF P-VAL	0.12	0.25	0.24	0.20	0.29	0.14	0.21	0.14	0.33	0.00	0.24	0.55	0.22	0.17	0.19	0.12	0.52	0.29	0.47	0.64	0.00	0.15
SE OF CHANGE P-VALUE	0.23	0.37	0.53	0.52	0.43	0.24	0.43	0.26	0.74	0.46	0.48	0.55	0.40	0.30	0.61	0.31	0.98	0.29	1.23	0.65	0.33	0.40
1972-73 DELTA-P		0.11	0.10	-0.03	-0.16	-0.30	0.32	-0.07	0.62	-0.20	-0.22	-0.69●	0.28	-0.23	0.53	-0.39	0.46	-0.75●	0.78	-0.07	-0.28	0.08
1969-70 DELTA-P		0.07	-0.05	-0.03	0.01	-0.07	0.07	-0.02	0.18	-0.32●	-0.09	0.24	0.02	-0.02	-0.13	-0.22	0.20	-0.03	0.14	0.75	-0.32●	-0.12
CHANGE DELTA-P		0.04	0.15	0.00	-0.17	-0.23	0.25	-0.05	0.44	0.12	-0.13	-0.93	0.26	-0.21	0.66	-0.17	0.26	-0.72•	0.64	-0.82	0.04	0.20
1972-73 SE OF DP		0.27	0.41	0.38	0.30	0.21	0.22	0.10	0.59	0.47	0.39	0.21	0.23	0.18	0.49	0.31	0.78	0.20	1.02	0.21	0.34	0.29
1969-70 SE OF DP		0.21	0.22	0.18	0.24	0.12	0.12	0.06	0.29	0.12	0.26	0.51	0.16	0.12	0.21	0.16	0.49	0.28	0.43	0.57	0.12	0.14
SE OF CHANGE DELTA-P		0.34	0.47	0.42	0.38	0.24	0.25	0.12	0.66	0.49	0.47	0.55	0.28	0.22	0.53	0.35	0.92	0.34	1.11	0.61	0.36	0.32
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	88.32	89.09	88.02	89.11	86.92	84.74	92.14	90.30	81.37	80.57	82.95	86.71	88.78	92.31	81.70	85.03	83.76	96.77	85.64	88.11	85.18	91.18
1969-70 P-VALUE	89.00	88.50	87.96	93.86	84.75	87.91	90.16	90.44	84.98	78.94	87.12	86.29	88.13	91.51	84.60	88.64	81.15	86.73	84.65	88.01	90.44	92.59
CHANGE P-VALUE	-0.68	0.59	0.06	-4.75•	2.17	-3.17	1.98	-0.14	-3.61	1.63	-4.17	0.42	0.65	0.80	-2.90	-3.61	2.61	10.04●	0.99	0.10	-5.26	-1.41
1972-73 SE OF P-VAL	0.93	1.35	1.80	1.74	2.32	1.32	0.9[illegible]	0.89	1.88	6.15	3.89	2.24	1.21	1.02	2.54	4.38	1.97	1.27	3.32	1.93	2.72	1.24
1969-70 SE OF P-VAL	0.52	2.22	1.67	1.22	1.92	.31	1.14	1.06	1.95	3.74	4.43	2.47	1.42	0.97	3.14	1.69	3.69	1.63	2.01	3.38	2.02	1.72
SE OF CHANGE P-VALUE	1.31	2.60	2.46	2.13	3.01	1.86	1.48	1.38	2.71	7.20	5.90	3.37	1.87	1.41	4.04	4.69	4.18	2.07	4.41	3.87	3.39	2.12
1972-73 DELTA-P		0.77	-0.30	0.79	-1.40	-3.58●	3.82●	1.99●	-6.95●	-7.75	-5.37	-1.61	0.46	3.99●	-6.62●	-3.29	-4.56•	8.45●	-2.68	-0.21	-3.14	2.86•
1969-70 DELTA-P		-0.50	-1.04	4.86●	-4.25●	-1.09	1.16	1.44●	-4.02•	-10.06●	-1.88	-2.71	-0.87	2.51●	-4.40	-0.36	-7.85•	-2.27	-4.35•	-0.99	1.44	3.59●
CHANGE DELTA-P		1.27	0.74	-4.07•	2.85	-2.49•	2.66•	0.54	-2.93	2.31	-3.49	1.10	1.33	1.48	-2.22	-2.93	3.29	10.72●	1.67	0.78	-4.58	-0.73
1972-73 SE OF DP		1.32	1.65	1.48	1.87	0.69	0.71	0.66	1.97	5.66	3.41	2.40	1.09	0.82	2.11	3.88	2.14	1.50	3.73	1.82	2.60	1.17
1969-70 SE OF DP		1.82	1.66	1.15	1.63	0.80	0.81	0.43	1.76	3.80	4.16	2.37	1.03	0.83	2.79	1.81	3.40	1.75	2.03	3.08	2.00	1.30
SE OF CHANGE DELTA-P		2.25	2.34	1.87	2.48	1.06	1.08	0.79	2.64	6.82	5.38	3.37	1.50	1.17	3.50	4.28	4.02	2.30	4.23	3.58	3.28	1.75
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.04	2.36	0.79	2.06	2.74	2.71	1.33	1.89	2.05	3.36	3.07	2.51	1.71	1.23	3.78	2.33	3.26	0.58	1.81	3.16	1.22	1.84
1969-70 P-VALUE	1.60	2.0[illegible]	0.27	1.05	2.76	2.09	1.10	1.91	0.43	0.54	5.33	1.59	1.88	1.14	1.02	0.28	0.53	2.11	4.35	2.50	1.30	1.11
CHANGE P-VALUE	0.44	0.2[illegible]	0.52	1.01	-0.02	0.62	0.23	-0.02	1.62	2.82	-2.26	0.92	-0.17	0.09	2.76•	2.05	2.73•	-1.53	-2.54	0.66	-0.08	0.73
1972-73 SE OF P-VAL	0.34	0.66	0.39	0.56	0.91	0.59	0.36	0.35	0.79	1.79	1.37	1.16	0.55	0.62	1.05	1.30	1.26	0.56	0.86	1.02	0.94	0.49
1969-70 SE OF P-VAL	0.37	0.88	0.22	0.60	0.88	0.61	0.34	0.45	0.28	0.28	3.73	0.81	0.85	0.35	0.48	0.29	0.32	1.32	1.38	1.97	0.74	0.50
SE OF CHANGE P-VALUE	0.50	1.10	0.45	0.82	1.27	0.85	0.50	0.57	0.84	1.81	3.97	1.41	1.01	0.71	1.15	1.33	1.30	1.43	1.63	2.13	1.12	0.70
1972-73 DELTA-P		0.32	-1.25●	0.02	0.70	0.67	-0.71	-0.15	0.01	1.32	1.03	0.47	-0.33	-0.81	1.74	0.29	1.22	-1.46●	-0.23	1.12	-0.82	-0.20
1969-70 DELTA-P		0.48	-1.33●	-0.55	1.16	0.49	-0.50	0.31●	-1.17●	-1.06•	3.73	-0.01	0.28	-0.46	-0.58	-1.32●	-1.07•	0.51	2.75•	0.90	-0.30	-0.49
CHANGE DELTA-P		-0.16	0.08	0.57	-0.46	0.18	-0.21	-0.46•	1.18	2.38	-2.70	0.48	-0.61	-0.35	2.32•	1.61	2.29	-1.97	-2.98	0.22	-0.52	0.29
1972-73 SE OF DP		0.58	0.45	0.51	0.72	0.35	0.36	0.21	0.76	1.66	1.27	1.03	0.56	0.54	0.92	1.17	1.19	0.57	0.85	0.92	0.79	0.46
1969-70 SE OF DP		0.71	0.41	0.54	0.72	0.33	0.33	0.10	0.43	0.45	3.58	0.77	0.62	0.40	0.60	0.45	0.47	1.23	1.28	1.68	0.74	0.47
SE OF CHANGE DELTA-P		0.92	0.61	0.74	1.02	0.48	0.49	0.23	0.87	1.72	3.80	1.33	0.84	0.67	1.10	1.25	1.28	1.36	1.54	1.92	1.08	0.66

• The absolute value of this number is greater than 2.0 times its standard error.
● The absolute value of this number is greater than 2.5 times its standard error.

```
NAEP #:          205022-2

72-73 Report #: 00267
69-70 Report #: 0768


72-73 Obj:      II. UNDERSTAND  AND APPLY THE FUNDAMENTAL ASPECTS
                    OF  SCIENCE  IN  A  WIDE  RANGE  OF  PROBLEM
                    SITUATIONS.
72-73 Subobj:    E. Understand    and    apply   the   scientific
                    enterprise.

69-70 Obj:     III. UNDERSTAND  THE   INVESTIGATIVE   NATURE   OF
                    SCIENCE.

Science Type:       Unclassified


Exercise Type:          Multiple choice
Scoring Type:           Machine
Administration Mode:    Group

Age:                                      13
72-73 Package-Exercise:                 05-23
69-70 Package-Exercise:                 08-09

72-73 National P-val:
           00267                        67.61
69-70 National P-value:
           00267                        67.61

Timing: (in seconds)
                       Stimulus:          23
                       Response:          12
                    I don't know:          5
                          Pause:           6
   00267         Exercise total:          46
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EXERCISE: 205022-2 00267

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIB.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.25	0.32	0.05	0.55	0.00	0.15	0.35	0.21	0.40	0.44	0.00	0.00	0.62	0.00	0.43	1.40	0.52	0.14	0.21	0.00	0.00	0.07
1969-70 P-VALUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANGE P-VALUE	0.25	0.32	0.05	0.55	0.00	0.15	0.35	0.21	0.40	0.44	0.00	0.00	0.62	0.00	0.43	1.40	0.52	0.14	0.21	0.00	0.00	0.07
1972-73 SE OF P-VAL	0.14	0.16	0.05	0.45	0.00	0.08	0.28	0.17	0.24	0.44	0.00	0.00	0.45	0.00	0.24	1.28	0.39	0.13	0.21	0.00	0.00	0.06
1969-70 SE OF P-VAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE P-VALUE	0.14	0.16	0.05	0.45	0.00	0.08	0.28	0.17	0.24	0.44	0.00	0.00	0.45	0.00	0.24	1.28	0.39	0.13	0.21	0.00	0.00	0.06
1972-73 DELTA-P		0.07	-0.20	0.30	-0.25	-0.10	0.10	-0.04	0.15	0.19	-0.25	-0.25	0.37	-0.25	0.18	1.15	0.27	-0.11	-0.04	-0.25	-0.25	-0.18
1969-70 DELTA-P		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANGE DELTA-P		0.07	-0.20	0.30	-0.25	-0.10	0.10	-0.04	0.15	0.19	-0.25	-0.25	0.37	-0.25	0.18	1.15	0.27	-0.11	-0.04	-0.25	-0.25	-0.18
1972-73 SE OF DP		0.19	0.15	0.31	0.14	0.15	0.15	0.05	0.26	0.44	0.14	0.14	0.31	0.14	0.26	1.15	0.39	0.19	0.23	0.14	0.14	0.15
1969-70 SE OF DP		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE OF CHANGE DELTA-P		0.19	0.15	0.31	0.14	0.15	0.15	0.05	0.26	0.44	0.14	0.14	0.31	0.14	0.26	1.15	0.39	0.19	0.23	0.14	0.14	0.15

RESPONSE: 05* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	67.61	69.76	65.25	71.67	62.78	66.96	68.26	72.74	46.28	40.09	51.83	57.12	68.77	77.84	46.84	61.69	49.76	80.86	65.94	65.16	69.36	70.44
1969-70 P-VALUE	67.61	68.00	60.49	73.45	66.33	65.81	69.73	72.14	45.92	52.52	47.03	52.27	66.02	76.62	54.39	60.19	47.39	80.59	63.48	70.11	68.36	69.12
CHANGE P-VALUE	0.00	1.76	4.76	-1.78	-3.55	1.15	-1.47	0.60	0.36	-12.43*	4.80	4.85	2.75	1.22	-7.55	1.50	2.37	0.27	2.46	-4.95	1.00	1.32
1972-73 SE OF P-VAL	1.35	2.19	2.22	2.74	3.20	1.58	1.63	1.21	2.09	4.36	4.33	3.59	2.25	1.43	2.83	4.78	4.36	2.93	3.77	3.90	3.52	2.23
1969-70 SE OF P-VAL	1.35	2.99	2.71	2.55	2.57	2.05	1.63	1.49	2.98	3.82	5.04	3.97	2.35	1.34	5.83	5.31	3.33	3.11	3.22	5.20	2.69	2.25
SE OF CHANGE P-VALUE	1.91	3.71	3.50	3.74	4.10	2.59	2.31	1.92	3.64	5.80	6.64	5.35	3.25	1.96	6.48	7.14	5.49	4.27	4.96	6.50	4.43	3.17
1972-73 DELTA-P		2.15	-2.36	4.06	-4.87	-0.65	0.65	5.13#	-21.33#	-27.52#	-15.78#	-10.49#	1.16	10.23#	-20.77#	-5.92	-17.85#	13.25#	-1.67	-2.45	1.75	2.83
1969-70 DELTA-P		0.39	-7.12#	5.84#	-1.28	-1.80	2.12	4.53#	-21.69#	-15.09#	-20.58#	-15.34#	-1.59	9.01#	-13.22*	-7.42	-20.22#	12.98#	-4.13	2.50	0.75	1.51
CHANGE DELTA-P		1.76	4.76	-1.78	-3.55	1.15	-1.47	0.60	0.36	-12.43*	4.80	4.85	2.75	1.22	-7.55	1.50	2.37	0.27	2.46	-4.95	1.00	1.32
1972-73 SE OF DP		2.09	2.16	2.17	2.67	0.87	0.87	0.59	2.36	4.20	4.36	3.38	1.64	1.24	2.46	4.57	4.44	2.93	3.54	3.45	3.45	[illegible]
1969-70 SE OF DP		2.46	2.62	2.12	2.30	1.22	1.36	0.84	2.89	3.76	5.17	3.71	1.76	1.23	5.45	5.17	3.43	3.09	3.14	4.84	2.46	1.87
SE OF CHANGE DELTA-P		3.23	3.40	3.03	3.52	1.50	1.61	1.03	3.73	5.64	6.76	5.02	2.41	1.75	5.98	6.87	5.61	4.26	4.73	5.94	4.24	2.66

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	6.81	7.38	5.30	6.36	8.12	7.47	6.15	6.10	10.45	9.18	7.19	9.94	5.79	4.82	13.21	4.61	10.52	4.00	5.50	8.47	7.48	7.09
1969-70 P-VALUE	5.05	2.77	5.85	5.55	6.27	5.36	4.76	4.46	9.01	4.87	10.48	7.65	3.80	3.96	9.31	9.29	7.75	2.99	4.97	5.99	4.44	4.40
CHANGE P-VALUE	1.76#	4.61#	-0.55	0.81	1.85	2.11	1.39	1.64*	1.44	4.31	-3.29	2.29	1.99	0.86	3.90	-4.68	2.77	1.01	0.53	2.48	3.04	2.69*
1972-73 SE OF P-VAL	0.51	1.37	0.74	0.75	1.11	0.82	0.84	0.55	1.60	2.14	2.40	2.13	0.92	0.72	1.76	1.45	1.82	1.07	1.25	1.61	1.28	0.85
1969-70 SE OF P-VAL	0.47	0.70	0.85	1.30	1.06	0.67	0.64	0.50	1.87	1.96	3.11	1.72	0.77	0.67	1.97	2.13	2.19	0.91	1.25	1.93	0.84	0.81
SE OF CHANGE P-VALUE	0.69	1.54	1.13	1.25	1.53	1.06	1.06	0.74	2.46	2.90	3.93	2.74	1.20	0.98	2.64	2.58	2.85	1.40	1.77	2.44	1.53	1.17
1972-73 DELTA-P		0.57	-1.51	-0.45	1.31	0.66	-0.66	-0.71#	3.64*	2.37	0.38	3.13	-1.02	-1.99#	6.40#	-2.20	3.71*	-2.81#	-1.31	1.66	0.67	0.28
1969-70 DELTA-P		-2.28#	0.80	0.50	1.22	0.31	-0.29	-0.59	3.96*	-0.18	5.43	2.60	-1.25	-1.09	4.26*	4.24*	2.70	-2.06*	-0.08	0.94	-0.61	-0.65
CHANGE DELTA-P		2.85*	-2.31*	-0.95	0.09	0.35	-0.37	-0.12	-0.32	2.55	-5.05	0.53	0.23	-0.90	2.14	-6.44#	1.01	-0.75	-1.23	0.72	1.28	0.93
1972-73 SE OF DP		1.12	0.76	0.69	0.94	0.66	0.66	0.26	1.48	2.18	2.33	2.02	0.75	0.59	1.68	1.46	1.75	0.98	1.18	1.41	1.20	0.73
1969-70 SE OF DP		0.64	0.81	0.82	0.90	0.43	0.48	0.31	1.74	1.86	3.01	1.57	0.66	0.61	1.81	2.06	2.08	0.88	1.14	1.68	0.85	0.70
SE OF CHANGE DELTA-P		1.29	1.11	1.07	1.30	0.79	0.82	0.40	2.28	2.81	3.81	2.56	1.00	0.85	2.47	2.52	2.72	1.32	1.64	2.19	1.87	1.01

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 205023-34

72-73 Report #: 00268
69-70 Report #: 0866

72-73 Obj: II. UNDERSTAND AND APPLY THE FUNDAMENTAL ASPECTS OF SCIENCE IN A WIDE RANGE OF PROBLEM SITUATIONS.
72-73 Subobj: E. Understand and apply the scientific enterprise.

69-70 Obj: III. UNDERSTAND THE INVESTIGATIVE NATURE OF SCIENCE.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	05-01	07-23
69-70 Package-Exercise:	05-15	
72-73 National P-val: 00268	25.80	33.53
69-70 National P-value: 00268	34.57	
Timing: (in seconds)		
Stimulus:	18	22
Response:	15	*
I don't know:	5	*
Pause:	6	*
00268 Exercise total:	44	*

*Time not limited by paced tape.

EXERCISE: 205023-34 0U268

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIE.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 TEXT: No Response.																						
1972-73 P-VALUE	0.42	0.00	0.24	0.94	0.40	0.17	0.63	0.32	0.17	2.36	0.00	0.37	0.17	0.60	0.83	0.00	0.47	0.00	0.00	1.67	0.88	0.18
1969-70 P-VALUE	0.04	0.00	0.15	0.00	0.04	0.00	0.08	0.05	0.00	0.00	0.00	0.00	0.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.04
CHANGE P-VALUE	0.38	0.00	0.09	0.94	0.36	0.17	0.55	0.27	0.17	2.36	0.00	0.37	0.14	0.54	0.83	0.00	0.47	0.00	0.00	1.67	0.71	0.14
1972-73 SE OF P-VAL	0.21	0.00	0.15	0.68	0.26	0.11	0.38	0.24	0.17	1.48	0.00	0.27	0.13	0.44	0.64	0.00	0.47	0.00	0.00	1.53	0.47	0.12
1969-70 SE OF P-VAL	0.03	0.00	0.16	0.00	0.00	0.00	0.06	0.03	0.00	0.00	0.00	0.03	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00
SE OF CHANGE P-VALUE	0.21	0.00	0.22	0.68	0.26	0.11	0.38	0.24	0.17	1.48	0.00	0.27	0.13	0.44	0.64	0.00	0.47	0.00	0.00	1.53	0.50	0.12
1972-73 DELTA-P		-0.42*	-0.18	0.52	-0.02	-0.25	0.21	-0.10	-0.25	1.94	[illegible]	-0.05	-0.25	0.18	0.41	-0.42*	0.05	-0.42*	-0.42*	1.25	0.46	-0.24
1969-70 DELTA-P		-0.04	0.11	-0.04	0.00	-0.04	0.04	0.01	-0.04	-0.04	-0.04	-0.04	-0.01	0.02	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	0.13	0.00
CHANGE DELTA-P		-0.38	-0.29	0.56	-0.02	-0.21	0.17	-0.11	-0.21	1.98	-0.38	-0.01	-0.24	0.16	0.45	-0.38	0.09	-0.38	-0.38	1.29	0.33	-0.24
1972-73 SE OF DP		0.21	0.24	0.49	0.24	0.21	0.18	0.09	0.26	1.42	0.21	0.33	0.23	0.25	0.63	0.21	0.46	0.21	0.21	1.34	0.45	0.22
1969-70 SE OF DP		0.03	0.13	0.03	0.03	0.03	0.03	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.14	0.03
SE OF CHANGE DELTA-P		0.21	0.27	0.49	0.28	0.21	0.18	0.09	0.26	1.42	0.21	0.33	0.23	0.25	0.63	0.21	0.46	0.21	0.21	1.34	0.47	0.22
AGE: 13																						
1972-73 P-VALUE	0.12	0.37	0.00	0.00	0.11	0.07	0.16	0.11	0.27	0.00	0.22	0.00	0.12	0.00	1.10	0.00	0.41	0.00	0.00	0.00	0.00	0.22
1972-73 SE OF P-VAL	0.07	0.26	0.00	0.00	0.11	0.08	0.12	0.08	0.27	0.00	0.21	0.00	0.12	0.00	1.09	0.00	0.41	0.00	0.00	0.00	0.00	0.15
1972-73 DELTA-P		0.25	-0.12	-0.12	-0.01	-0.05	0.04	-0.01	0.15	-0.12	0.10	-0.12	0.00	-0.12	0.98	-0.12	0.29	-0.12	-0.12	-0.12	-0.12	0.10
1972-73 SE OF DP		0.19	0.07	0.07	0.10	0.06	0.07	0.03	0.26	0.07	0.16	0.07	0.11	0.07	1.06	0.07	0.37	0.07	0.07	0.07	0.07	0.10
RESPONSE: 04* AGE: 17 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	25.90	27.82	23.78	27.55	23.12	29.05	23.04	28.72	13.07	12.31	14.74	15.02	22.01	34.05	13.31	22.46	21.86	34.83	19.29	30.06	28.29	23.19
1969-70 P-VALUE	34.57	40.53	25.81	33.72	36.30	35.87	33.20	37.45	11.31	39.99	18.78	20.53	31.03	43.33	18.40	24.83	24.68	51.75	38.04	36.75	31.66	35.66
CHANGE P-VALUE	-8.77#	-12.71#	-2.03	-6.17	-13.18#	-6.82*	-10.16#	-8.73#	1.76	-27.68#	-4.04	-5.51	-9.02#	-9.28#	-5.09	-2.37	-2.82	-16.92#	-18.75#	-6.69	-3.37	-12.47#
1972-73 SE OF P-VAL	1.35	2.64	2.63	2.89	2.50	1.81	1.96	1.49	2.93	4.76	3.39	2.70	1.78	1.95	3.53	2.42	6.34	4.88	2.98	3.31	5.00	1.93
1969-70 SE OF P-VAL	1.77	2.43	2.54	3.33	4.56	2.49	2.25	1.76	2.85	5.64	3.72	2.88	2.61	2.10	6.99	4.94	6.15	3.88	3.93	4.71	3.80	3.37
SE OF CHANGE P-VALUE	2.23	3.59	3.66	4.45	5.20	3.08	2.98	2.30	4.09	7.38	5.03	3.92	3.16	2.87	7.83	5.50	8.83	6.20	4.93	5.76	6.28	3.88
1972-73 DELTA-P		2.32	-2.02	1.75	-2.68	3.25*	-2.76*	2.92#	-12.73#	-13.49#	-11.06#	-10.78#	-3.79*	8.25#	-12.49#	-3.34	-3.94	9.03*	-6.51*	4.26	2.49	-2.61
1969-70 DELTA-P		5.96*	-8.76#	-0.85	1.73	1.30	-1.37	2.88#	-23.26#	5.42	-15.79#	-14.04#	-3.54	8.76#	-16.17*	-9.74*	-9.89	17.18#	3.47	2.18	-2.91	1.09
CHANGE DELTA-P		-3.94	6.74	2.60	-4.41	1.95	-1.39	0.04	10.53#	-18.91#	4.73	3.26	-0.25	-0.51	3.68	6.40	5.95	-8.15	-9.98*	2.08	5.40	-3.70
1972-73 SE OF DP		2.30	2.43	2.30	2.24	1.49	1.22	0.73	2.93	4.56	3.50	2.65	1.55	1.29	3.22	2.57	6.05	4.50	3.08	3.36	4.53	1.62
1969-70 SE OF DP		2.47	2.68	2.71	3.69	1.54	1.62	0.82	2.69	5.35	3.82	2.60	1.98	1.39	6.77	4.64	5.70	3.83	3.91	4.71	3.64	2.74
SE OF CHANGE DELTA-P		3.38	3.62	3.55	4.32	2.14	2.03	1.10	3.98	7.04	5.18	3.71	2.51	1.90	7.50	5.30	8.31	5.91	4.98	5.79	5.61	3.18
AGE: 13																						
1972-73 P-VALUE	33.53	39.78	30.68	31.03	32.41	36.25	31.00	37.20	11.35	19.31	21.97	27.77	34.31	50.34	9.48	27.39	17.76	46.01	31.50	31.48	31.11	35.77
1972-73 SE OF P-VAL	1.32	2.31	3.11	2.64	2.59	1.88	1.54	1.39	2.44	3.92	1.93	3.24	2.38	2.72	4.13	3.72	2.63	3.36	4.26	4.01	4.43	1.99
1972-73 DELTA-P		6.25#	-2.85	-2.50	-1.12	2.72*	-2.53*	3.67#	-22.18#	-14.22#	-11.56#	-5.76*	0.78	16.81#	-24.05#	-6.15	-15.77#	12.48#	-2.03	-2.05	-2.42	2.24
1972-73 SE OF DP		2.11	2.74	2.20	2.21	1.11	1.05	0.53	2.38	3.72	1.76	2.82	1.94	2.39	4.46	3.66	2.58	3.77	4.08	3.76	3.92	1.57
RESPONSE: 09 AGE: 17 TEXT: I Don't Know.																						
1972-73 P-VALUE	10.23	7.76	7.84	12.68	12.00	10.61	9.90	9.75	11.87	13.48	12.02	7.20	12.04	8.23	17.63	12.72	12.23	11.81	11.97	10.50	9.39	8.40
1969-70 P-VALUE	9.55	9.00	7.47	10.17	10.80	10.09	8.98	9.31	10.14	12.00	6.83	13.11	8.78	9.01	19.90	12.08	9.61	10.03	9.85	9.05	9.89	8.42
CHANGE P-VALUE	0.68	-1.24	0.37	2.51	1.20	0.52	0.92	0.44	1.73	1.48	5.19	-5.91*	3.26	-0.78	-2.27	0.64	2.62	1.78	2.12	1.45	-0.50	-0.02
1972-73 SE OF P-VAL	0.80	1.37	1.30	1.62	1.64	1.47	1.06	0.99	1.66	2.84	2.76	1.78	1.45	1.14	2.62	2.58	2.30	3.54	2.42	2.15	1.79	1.04
1969-70 SE OF P-VAL	0.95	1.35	2.15	2.15	1.67	1.19	1.12	1.08	1.70	3.31	1.96	2.10	1.36	1.65	8.54	2.75	2.47	2.15	2.07	1.73	3.34	1.49
SE OF CHANGE P-VALUE	1.24	1.92	2.51	2.69	2.34	1.89	1.54	1.47	2.38	4.36	3.39	2.75	1.99	2.01	8.93	3.77	3.38	4.14	3.13	2.76	3.79	1.82
1972-73 DELTA-P		-2.47*	-2.39	2.45	1.77	0.38	-0.33	-0.48	1.64	3.25	1.79	-3.03	1.81	-2.00*	7.40#	2.49	2.00	1.58	1.74	0.27	-0.84	-1.83
1969-70 DELTA-P		-0.55	-2.08	0.62	1.25	0.54	-0.57	-0.24	0.59	2.45	-2.72	3.56	-0.77	-0.54	10.35	2.53	0.06	0.48	0.30	-0.50	0.34	-1.13
CHANGE DELTA-P		-1.92	-0.31	1.83	0.52	-0.16	0.24	-0.24	1.05	0.80	4.51	-6.59#	2.58	-1.46	-2.95	-0.04	1.94	1.10	1.44	0.77	-1.18	-0.70
1972-73 SE OF DP		1.18	1.30	1.29	1.42	1.06	0.91	0.36	1.76	2.90	2.81	1.61	1.17	0.80	2.41	2.46	2.33	3.05	2.35	2.04	1.76	0.98
1969-70 SE OF DP		1.36	1.96	1.62	1.52	0.65	0.69	0.31	1.71	3.24	2.05	1.83	1.26	1.12	8.67	2.59	2.37	2.17	2.01	1.75	2.83	1.30
SE OF CHANGE DELTA-P		1.80	2.35	2.07	2.08	1.24	1.18	0.48	2.45	4.35	3.48	2.44	1.72	1.38	9.00	3.57	3.32	3.74	3.09	2.69	3.33	1.63

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 205023-34 00268

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIE.

RESPONSE: 09 AGE: A4 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	21.80	18.05	23.63	23.67	21.99	19.73	23.72	21.32	23.78	25.34	30.19	25.22	20.23	11.97	32.08	24.77	24.40	20.40	22.71	20.10	19.00	22.17
1972-73 SE OF P-VAL	1.06	1.73	2.72	2.34	1.83	1.63	1.21	1.24	3.42	5.10	2.70	2.83	2.08	1.40	7.93	3.09	2.98	2.61	3.19	3.79	2.91	1.83
1972-73 DELTA-P		-1.75*	1.83	1.87	0.19	-2.07*	1.92*	-0.48	1.98	3.54	8.39#	3.42	-1.57	-9.83#	10.28	2.97	2.60	-1.40	0.91	-1.70	-2.80	0.37
1972-73 SE OF DP		1.66	2.34	1.89	1.65	1.00	0.90	0.55	3.22	5.17	2.22	2.57	1.86	1.45	7.96	2.93	2.77	2.44	3.20	3.49	2.80	1.41

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 302007-3

72-73 Report #: UU271

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: B. Appreciate inquiry skills.

Science Type: Unclassified

Exercise Type: Multiple part short answer
Scoring Type: Professional
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	10-28
72-73 National P-val:	
UU271-1	73.06
UU271-2	66.26
UU271-3	61.48
UU271-4	51.81
UU271-5	43.09
Timing: (in seconds)	
Stimulus:	131
Response:	164
UU271 Exercise total:	295

EXERCISE: 302007-3   00271

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part 1.

RESPONSE: 00   AGE: 17   TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.62	2.43	2.75	4.13	4.97	5.02	2.35	3.09	6.78	4.01	1.87	2.65	3.68	2.85	11.39	2.75	6.29	0.92	4.25	6.41	5.65	1.67
1972-73 SE OF P-VAL	0.97	0.78	1.13	2.52	2.22	1.23	0.92	1.14	1.46	1.75	1.28	1.36	0.95	1.36	3.23	1.25	2.10	0.90	2.79	4.30	3.70	0.67
1972-73 DELTA-P		-1.19	-0.87	0.51	1.35	1.40#	-1.27#	-0.53	3.16*	0.39	-1.75	-0.97	0.06	-0.77	7.77#	-0.87	2.67	-2.70*	0.63	2.79	2.03	-1.95
1972-73 SE OF DP		1.11	1.29	1.91	1.85	0.49	0.44	0.30	1.51	1.85	1.53	1.15	0.56	0.59	3.02	1.50	2.09	1.29	2.77	4.62	3.26	1.11

RESPONSE: 01*   AGE: 17   TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	73.06	75.77	68.82	75.51	71.08	73.39	72.76	77.64	51.45	57.45	63.05	62.30	70.35	82.08	54.21	63.41	52.22	79.09	64.11	75.93	79.37	75.74
1972-73 SE OF P-VAL	1.50	2.49	3.04	3.02	3.02	2.18	1.77	1.63	3.52	4.75	4.50	3.89	2.14	1.97	4.20	2.95	4.47	3.42	3.34	4.61	4.09	1.92
1972-73 DELTA-P		2.71	-4.24	2.45	-1.98	0.33	-0.30	4.58#	-21.61#	-15.61#	-10.01*	-10.76#	-2.71	9.02#	-18.85#	-9.65#	-20.84#	6.03	-8.95*	2.87	6.31	2.68
1972-73 SE OF DP		2.50	2.78	2.48	2.63	1.34	1.22	0.75	3.11	4.82	4.40	3.29	1.87	1.33	3.99	3.04	4.21	3.42	3.60	3.97	3.50	1.56

RESPONSE: 03   AGE: 17   TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.91	0.41	1.16	0.90	1.21	1.14	0.70	0.67	2.23	1.33	1.58	0.52	1.00	0.37	3.85	0.00	1.86	0.89	1.33	0.40	1.46	0.85
1972-73 SE OF P-VAL	0.21	0.32	0.42	0.42	0.56	0.36	0.24	0.22	0.86	0.94	1.09	0.38	0.41	0.24	1.58	0.00	0.77	0.69	0.73	0.33	0.75	0.36
1972-73 DELTA-P		-0.50	0.25	-0.01	0.30	0.23	-0.21	-0.24*	1.32	0.42	0.67	-0.39	0.09	-0.54#	2.94	-0.91#	0.95	-0.02	0.42	-0.51	0.55	-0.06
1972-73 SE OF DP		0.33	0.39	0.35	0.45	0.23	0.20	0.12	0.78	0.90	1.04	0.18	0.34	0.21	1.50	0.21	0.72	0.61	0.72	0.31	0.60	0.30

EXERCISE: 302007-3   00271

Part 2.

RESPONSE: 00   AGE: 17   TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.91	3.80	3.95	5.14	6.57	6.72	3.27	4.30	8.01	6.49	4.83	2.96	4.80	3.91	14.81	4.63	10.41	1.21	4.72	7.12	7.12	2.88
1972-73 SE OF P-VAL	1.02	1.08	1.26	2.55	2.32	1.32	0.95	1.18	1.64	2.42	1.87	1.39	1.12	1.37	3.58	1.93	2.06	0.94	2.71	4.34	3.68	0.75
1972-73 DELTA-P		-1.11	-0.96	0.23	1.66	1.81#	-1.64#	-0.61	3.10	1.58	-0.08	-1.95	-0.11	-1.00	9.90#	-0.28	5.50#	-3.70#	-0.19	2.21	2.21	-2.03
1972-73 SE OF DP		1.25	1.39	1.95	1.93	0.55	0.49	0.32	1.67	2.40	1.96	1.24	0.63	0.66	3.24	2.06	1.98	1.36	2.69	3.64	3.25	1.16

RESPONSE: 01*   AGE: 17   TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	66.26	65.82	62.46	70.73	64.78	64.86	67.53	70.48	44.17	56.71	57.13	64.62	62.92	73.62	45.83	58.64	46.23	74.74	63.40	67.22	66.91	69.63
1972-73 SE OF P-VAL	1.38	2.70	2.59	2.78	2.99	1.83	1.83	1.53	3.31	6.55	5.63	3.56	2.07	2.03	6.21	4.08	4.08	5.14	7.41	3.92	3.43	1.58
1972-73 DELTA-P		-0.44	-3.80	4.47	-1.48	-1.40	1.27	4.22#	-22.09#	-9.55	-9.13*	-1.64	-3.34*	7.36#	-20.43#	-7.62	-20.03#	8.48	-2.86	0.96	0.65	3.37
1972-73 SE OF DP		2.35	2.44	2.29	2.54	1.27	1.12	0.71	3.23	6.25	1.70	3.41	1.64	1.40	5.90	4.19	3.91	4.63	7.17	3.40	3.15	1.69

RESPONSE: 03   AGE: 17   TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	1.13	1.10	1.17	0.90	1.39	1.31	0.97	0.77	2.47	3.20	1.58	0.66	1.11	0.52	5.40	0.00	2.66	1.20	2.88	0.40	1.47	0.89
1972-73 SE OF P-VAL	0.25	0.49	0.42	0.42	0.64	0.39	0.32	0.22	0.87	1.99	1.09	0.40	0.46	0.24	1.90	0.00	1.17	0.95	1.63	0.33	0.75	0.36
1972-73 DELTA-P		-0.03	0.04	-0.23	0.26	0.18	-0.16	-0.36*	1.34	2.07	0.45	-0.47	-0.02	-0.61#	4.27*	-1.13#	1.53	0.07	1.75	-0.73*	0.34	-0.24
1972-73 SE OF DP		0.43	0.41	0.37	0.52	0.26	0.24	0.16	0.79	1.87	1.05	0.42	0.38	0.23	1.78	0.25	1.08	0.89	1.54	0.31	0.69	0.31

EXERCISE: 302007-3   00271

Part 3.

RESPONSE: 00   AGE: 17   TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	8.64	8.33	8.88	7.57	9.97	10.58	6.88	7.94	11.23	12.70	12.50	5.76	8.20	6.46	25.09	7.33	16.07	4.14	8.44	9.08	10.10	7.86
1972-73 SE OF P-VAL	1.09	1.92	1.84	2.44	2.22	1.44	1.16	1.20	1.96	3.34	3.01	1.92	1.72	1.65	4.09	2.77	3.38	1.32	2.88	4.41	1.62	1.02
1972-73 DELTA-P		-0.31	0.24	-1.07	1.33	1.94#	-1.76#	-0.70	2.59	4.06	3.86	-2.88	-0.44	-2.18*	16.45#	-1.31	7.43*	-4.50#	-0.20	0.44	1.46	-0.78
1972-73 SE OF DP		1.73	1.78	1.92	1.91	0.75	0.67	0.39	1.77	3.22	3.25	1.65	0.94	0.90	3.95	2.78	3.04	1.65	2.78	3.73	1.24	1.35

RESPONSE: 01*   AGE: 17   TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	61.48	59.48	58.80	67.49	58.87	60.13	62.71	65.10	43.62	50.92	56.18	57.48	61.77	66.90	37.08	57.72	45.66	68.87	55.55	61.30	65.09	63.38
1972-73 SE OF P-VAL	1.47	2.99	4.10	1.94	2.90	2.04	1.86	1.63	3.76	5.25	4.30	4.58	2.14	2.02	4.72	5.48	3.87	4.04	3.13	4.34	4.07	2.86
1972-73 DELTA-P		-2.00	-2.68	6.01#	-2.61	-1.35	1.23	3.62#	-17.86#	-10.56*	-5.30	-4.00	0.29	5.42#	-24.40#	-3.76	-15.82#	7.39	-5.93	-0.18	3.61	1.90
1972-73 SE OF DP		2.53	3.88	1.92	2.55	1.35	1.21	0.67	3.40	5.21	4.56	4.34	1.69	1.33	4.42	5.43	3.65	4.00	2.99	3.94	3.74	2.20

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                                   NATION |             REGION               |      SEX       |          RACE            |              PARENTAL EDUCATION               |          SIZE-AND-TYPE OF COM
                                          | NORTH  SOUTH                     |                |                  OTHER   |          SOME     GRAD    POST               |EXTREME  LOW     HIGH    MAIN   URB
                                  ________|_EAST___EAST_CENTRAL__WEST___|__MALE__FEMALE_|_WHITE__BLACK____RACE___|_NO_HS____HS______HS______HS__UNKNOWN_|_RURAL__METRO___METRO_BIG_CTY_PRI

EXERCISE: 302007-3     U0271

This unrel[illegible] non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part 3.

RESPONSE:  03     AGE: 17          TEXT:  I Don't Know.

    1972-73 P-VALUE                1.34     1.42   1.16   1.20   1.58     1.55   1.15     1.03   2.47   3.19     1.57   1.46   1.25   0.58   6.14      0.00   3.73   2.45   2.87   0.
    1972-73 SE OF P-VAL            0.29     0.49   0.42   0.53   0.78     0.43   0.35     0.28   0.87   1.99     1.09   0.92   0.49   0.25   2.01      0.00   1.18   1.50   1.63   0.
    1972-73 DELTA-P                         0.08  -0.18  -0.14   0.24     0.21  -0.19    -0.31   1.13   1.85     0.2[illegible]  0.12  -0.09  -0.76#  4.80#    -1.34#  2.39*  1.11   1.53  -0.
    1972-73 SE OF DP                        0.45   0.43   0.45   0.62     0.28   0.25     0.16   0.79   1.88     1.06   0.86   0.38   0.25   1.90      0.29   1.12   1.35   1.54   0.

EXERCISE: 302007-3     U0271

Part 4.

RESPONSE:  00     AGE: 17          TEXT:  No Response.

    1972-73 P-VALUE               14.56    15.74  13.26  11.90  17.38    15.99  13.30    12.81  20.14  26.93    24.33  16.85  14.81   9.58  32.34     10.78  28.20   7.58  12.79  17.
    1972-73 SE OF P-VAL            1.12     2.74   1.64   1.76   2.51     1.51   1.23     1.22   2.22   5.50     4.91   2.78   1.26   1.72   3.21      3.97   3.86   1.65   3.41   4.
    1972-73 DELTA-P                         1.36  -1.12  -2.68   2.80     1.41  -1.28    -1.77#  5.56# 12.35*    9.75*  2.27   0.23  -5.00# 17.76#    -3.80  13.62# -7.00# -1.79   2.
    1972-73 SE OF DP                        2.23   1.68   1.59   2.41     0.82   0.75     0.45   2.19   5.34     4.69   2.43   1.18   1.21   3.16      3.88   3.55   1.98   3.45   4.

RESPONSE:  01*    AGE: 17          TEXT:  All Acceptable Responses.

    1972-73 P-VALUE               51.81    53.33  50.05  54.58  48.60    50.48  53.02    55.36  36.76  35.92    42.38  43.44  49.40  59.51  35.77     52.88  32.0[illegible]  55.90  52.53  56.
    1972-73 SE OF P-VAL            1.11     2.44   2.23   1.93   2.28     1.80   1.40     1.25   3.30   5.10     4.42   3.04   1.94   2.00   3.89      6.97   3.58   4.43   4.55   4.
    1972-73 DELTA-P                         1.52  -1.76   2.77  -3.21    -1.33   1.21     3.55#-15.05#-15.89#   -9.43* -8.37# -2.41  [illegible].70#-16.04#    1.07 -15.78#  4.09   0.72   4.
    1972-73 SE OF DP                        2.04   2.04   1.66   1.98     1.22   1.09     0.63   2.96   5.01     4.27   2.76   1.77   1.57   3.99      6.85   3.42   4.25   4.33   3.

RESPONSE:  03     AGE: 17          TEXT:  I Don't Know.

    1972-73 P-VALUE                1.96     2.47   1.74   1.45   2.21     1.92   1.99     1.69   2.87   3.70     1.58   1.46   2.01   1.44   6.15      0.00   4.93   3.78   2.87   0.
    1972-73 SE OF P-VAL            0.33     0.64   0.40   0.68   0.77     0.45   0.41     0.36   0.85   2.00     1.09   0.92   0.63   0.40   2.01      0.00   1.30   1.68   1.63   0.
    1972-73 DELTA-P                         0.51  -0.22  -0.51   0.25    -0.04   0.03    -0.27   0.91   1.74    -0.38  -0.20   0.05  -0.52   4.19*    -1.96#  2.97*  1.82   0.91  -1.
    1972-73 SE OF DP                        0.56   0.45   0.55   0.64     0.29   0.26     0.18   0.80   1.94     1.00   0.89   0.49   0.36   1.91      0.33   1.26   1.52   1.58   0.

EXERCISE: 302007-3     U0271

Part 5.

RESPONSE:  00     AGE: 17          TEXT:  No Response.

    1972-73 P-VALUE               23.07    22.31  21.63  19.74  28.85    26.08  20.35    20.60  32.78  35.84    35.22  25.68  24.79  16.78  39.52     18.38  36.19  16.40  23.94   26.
    1972-73 SE OF P-VAL            1.24     2.94   2.40   1.88   2.64     1.67   1.54     1.35   3.14   6.04     5.16   3.58   1.78   1.80   3.17      5.16   4.06   3.11   5.77   4.
    1972-73 DELTA-P                        -0.76  -1.[illegible]  -3.33   5.78#    3.01# -2.72#   -2.47#  9.71# 12.77*   12.15#  2.61   1.72  -6.29# 16.45#    -4.69  13.12# -6.67*  0.87   3.
    1972-73 SE OF DP                        2.41   2.[illegible]   1.74   2.28     1.09   0.97     0.47   3.02   5.98     4.8[illegible]  3.10   1.62   1.43   3.07      5.00   3.97   3.11   5.56   3.

RESPONSE:  01*    AGE: 17          TEXT:  All Accept[illegible]e Responses.

    1972-73 P-VALUE               43.09    42.23  42.89  47.83  38.70    40.22  45.69    46.21  27.30  34.85    36.82  38.24  39.16  51.01  23.93     40.07  25.33  49.92  36.89   41.
    1972-73 SE OF P-VAL            1.38     3.47   2.75   2.28   2.64     2.10   1.53     1.62   2.74   5.13     5.05   3.78   1.99   2.13   3.54      3.23   3.13   4.03   5.16   3.
    1972-73 DELTA-P                        -0.86  -0.20   4.74* -4.39    -2.87*  2.60*    3.12#-15.79# -8.24    -6.27  -4.85  -3.93*  7.92#-19.16#    -3.02 -17.76#  6.83  -6.20  -1.
    1972-73 SE OF DP                        2.81   2.51   2.04   2.35     1.27   1.10     0.53   2.85   5.17     4.9[illegible]  3.29   1.91   1.45   3.50      3.43   3.29   3.97   5.16   3.

RESPONSE:  03     AGE: 17          TEXT:  I Don't Know.

    1972-73 P-VALUE                3.13     4.47   1.90   2.55   3.48     2.82   3.41     2.97   3.66   4.18     1.58   4.26   3.15   2.49   6.88      1.06   6.78   4.67   2.87   2
    1972-73 SE OF P-VAL            0.45     1.12   0.38   0.79   0.92     0.51   0.64     0.52   0.95   2.42     1.09   1.59   0.79   0.50   2.08      0.91   1.81   2.04   1.63   1
    1972-73 DELTA-P                         1.34  -1.23* -0.58   0.35    -0.31   0.28    -0.16   0.53   1.05    -1.55   1.13   0.02  -0.64   3.75     -2.07*  3.65*  1.54  -0.26  -0
    1972-73 SE OF DP                        0.89   0.53   0.69   0.80     0.38   0.35     0.22   0.94   2.33     1.03   1.40   0.60   0.47   1.96      0.96   1.74   1.88   1.59   0
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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

e dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIS.

ION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
IT: I Don't Know.																					
34	1.42	1.16	1.20	1.58	1.55	1.15	1.03	2.47	3.19	1.57	1.46	1.25	0.58	6.14	0.00	3.73	2.45	2.07	0.39	1.46	0.89
29	0.49	0.42	0.53	0.78	0.43	0.35	0.28	0.87	1.99	1.09	0.92	0.49	0.25	2.01	0.00	1.18	1.50	1.63	0.33	0.75	0.36
	0.08	0.18	-0.14	0.24	0.21	-0.19	-0.31	1.13	1.85	0.23	0.12	-0.09	-0.76#	4.80#	-1.34#	2.39*	1.11	1.53	-0.95#	0.12	-0.45
	0.45	0.43	0.45	0.62	[illegible]	0.25	0.16	0.79	1.88	1.06	0.86	0.38	0.25	1.90	0.29	1.12	1.35	1.54	0.33	0.71	0.36
IT: No Response.																					
58	15.44	13.26	11.90	17.38	15.99	13.30	12.81	20.14	26.93	24.33	16.85	14.81	9.58	32.34	10.78	28.20	7.58	12.79	17.06	14.78	13.53
12	2.74	1.64	1.76	2.51	1.51	1.23	1.22	2.22	5.50	4.91	2.78	1.26	1.72	3.21	3.97	3.86	1.65	3.41	4.69	3.66	1.51
	1.36	-1.32	-2.68	2.80	1.41	-1.28	-1.77#	5.56#	12.35*	9.75*	2.27	0.23	-5.00#	17.76#	-3.80	13.62#	-7.00#	-1.79	2.48	0.20	-1.05
	2.23	1.68	1.59	2.11	0.82	0.75	0.45	2.19	5.34	4.69	2.43	1.18	1.21	3.16	3.88	3.55	1.98	3.45	4.13	3.30	1.67
IT: All Acceptable Responses.																					
81	53.33	50.05	54.58	48.60	50.48	53.02	55.36	36.76	35.92	42.38	43.44	49.40	59.51	35.77	52.88	32.03	55.90	42.53	56.26	48.18	53.82
11	2.44	2.23	1.93	2.28	1.80	1.40	1.25	3.30	5.10	4.42	3.04	1.94	2.00	3.89	6.97	3.58	4.43	4.55	4.04	2.85	1.62
	1.52	-1.76	2.77	-3.21	-1.33	1.21	3.55#	-15.05#	-15.89#	-9.43*	-8.37#	-2.41	7.70#	-16.04#	1.07	-15.78#	4.09	0.72	4.45	-3.63	2.01
	2.04	2.04	1.66	1.98	1.22	1.09	0.63	2.96	5.01	4.27	2.76	1.77	1.57	3.99	6.85	3.42	4.25	4.33	3.77	2.49	1.75
IT: I Don't Know.																					
96	2.47	1.74	1.45	2.21	1.92	1.99	1.69	2.87	3.70	1.58	1.46	2.01	1.44	6.15	0.00	4.93	3.78	2.87	0.72	2.24	1.50
83	0.64	0.40	0.68	0.77	0.45	0.41	0.36	0.85	2.00	1.09	0.92	0.63	0.40	2.01	0.00	1.30	1.68	1.63	0.33	0.92	0.51
	0.51	-0.22	-0.51	0.25	-0.04	0.03	-0.27	0.91	1.74	-0.38	[illegible]	0.05	-0.52	4.19*	-1.96#	2.97*	1.82	0.91	-1.24#	0.26	-0.46
	0.56	0.45	0.55	0.64	0.29	0.26	0.18	0.80	1.94	1.00	[illegible]	0.49	0.36	1.91	0.33	1.26	1.52	1.58	0.42	0.85	0.44
IT: No Response.																					
07	22.31	21.63	19.74	28.85	26.08	20.35	20.60	32.78	35.84	35.22	25.68	24.79	16.78	39.52	18.38	36.19	16.40	23.94	26.86	24.19	20.65
24	2.94	2.40	1.88	2.64	1.67	1.54	1.35	3.14	6.04	5.16	3.58	1.78	1.80	3.17	5.16	4.06	3.11	5.77	4.19	3.57	1.84
	-0.76	-1.44	-3.33	5.78#	3.01#	-2.72#	-2.47#	9.71#	12.77*	12.15#	2.61	1.72	-6.29#	16.45#	-4.69	13.12#	-6.67*	0.87	3.79	1.12	-2.42
	2.41	2.20	1.74	2.28	1.09	0.97	0.47	3.02	5.98	4.85	3.10	1.62	1.43	3.07	5.00	3.97	3.11	5.56	3.74	3.25	1.72
IT: All Acceptable Responses.																					
9	42.23	42.89	47.83	38.70	40.22	45.69	46.21	27.30	34.85	36.82	38.24	39.16	51.01	23.93	40.07	25.33	49.92	36.89	41.66	43.91	47.26
8	3.47	2.75	2.28	2.64	2.10	1.53	1.62	2.74	5.13	5.05	3.78	1.99	2.13	3.54	3.23	3.13	4.03	5.16	3.33	4.41	2.54
	-0.86	-0.20	4.74*	-4.39	-2.87*	2.60*	3.12#	-15.79#	-8.24	-6.27	-4.85	-3.93*	7.92#	-19.16#	-3.02	-17.76#	6.53	-6.20	-1.43	0.82	4.17*
	2.81	2.51	2.04	2.35	1.27	1.10	0.53	2.85	5.17	4.92	3.29	1.91	1.45	3.50	3.43	3.29	3.97	5.16	3.13	3.85	1.94
IT: I Don't Know.																					
3	4.47	1.90	2.55	3.48	2.82	3.41	2.97	3.66	4.18	1.58	4.26	3.15	2.49	6.88	1.06	6.78	4.67	2.87	2.46	3.33	2.61
5	1.12	0.38	0.79	0.92	0.51	0.64	0.52	0.95	2.42	1.09	1.59	0.79	0.50	2.08	0.91	1.81	2.04	1.63	1.00	1.05	0.72
	1.34	-1.23*	-0.58	0.35	-0.31	0.28	-0.16	0.53	1.05	-1.55	1.13	0.02	-0.64	3.75	-2.07*	3.65*	1.54	-0.26	-0.67	0.20	-0.52
	0.89	0.53	0.69	0.86	0.38	0.35	0.22	0.94	2.33	1.03	1.40	0.60	0.47	1.96	0.96	1.74	1.88	1.59	0.91	0.98	0.60

r is greater than 2.0 times its standard error.
r is greater than 2.5 times its standard error.

NAEP #: 302008-1234

72-73 Report #: UB272

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: B. Appreciate inquiry skills.

Science Type: Biological science

Exercise Type: Short answer
Scoring Type: Professional
Administration Mode: Individual for age 9/Group at other ages

Age:	9	13	17IS	Adult
72-73 Package-Exercise:	08-09	03-08	07-06	03-05
72-73 National P-val: UB272	19.29	33.54	56.96	56.38
Timing: (in seconds) Stimulus:	*	17	16	17
Response:	*	73	73	*
UB272 Exercise total:	*	90	89	*

*Time not limited by paced tape.

EXERCISE: 302008-1234 U8272

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIIB.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	2.57	2.01	4.24	0.52	3.81	1.97	3.19	2.07	4.08	5.37	2.98	2.31	3.58	0.51	4.70	4.60	5.09	1.06	1.69	2.79	2.68	2.12
1972-73 SE OF P-VAL	0.39	0.86	0.93	0.23	0.93	0.45	0.61	0.38	1.23	2.63	1.83	1.41	0.73	0.19	1.02	1.90	1.75	0.77	0.90	1.38	0.64	0.60
1972-73 DELTA-P		-0.56	1.67*	-2.05#	1.24	-0.60	0.62	-0.50	1.47	2.80	0.41	-0.26	1.01	-2.06#	2.13#	2.03	2.52	-1.51	-0.88	0.22	0.11	-0.45
1972-73 SE OF DP		0.72	0.78	0.42	0.78	0.36	0.37	0.27	1.18	2.47	1.73	1.33	0.56	0.36	0.80	1.75	1.65	0.81	0.93	1.23	0.65	0.51
AGE: 13																						
1972-73 P-VALUE	1.40	0.85	0.75	1.98	1.85	1.54	1.27	0.95	2.57	4.04	2.73	0.68	1.60	0.39	3.78	2.06	3.78	1.61	1.74	1.63	0.81	0.61
1972-73 SE OF P-VAL	0.32	0.32	0.30	0.91	0.65	0.41	0.36	0.35	0.88	1.59	1.02	0.48	0.61	0.23	1.10	1.01	1.28	1.59	0.67	1.15	0.73	0.24
1972-73 DELTA-P		-0.55	-0.65	0.58	0.45	0.14	-0.13	-0.45#	1.17	[illegible]	1.33	-0.72	0.20	-1.01#	2.30#	0.66	2.38	0.21	0.34	0.23	-0.59	-0.79*
1972-73 SE OF DP		0.39	0.39	0.68	0.55	0.22	0.21	0.17	0.83	1.54	1.01	0.52	0.43	0.26	0.94	0.97	1.28	1.40	0.70	1.05	0.71	0.33
AGE: 17																						
1972-73 P-VALUE	0.65	1.24	0.06	0.45	0.70	0.59	0.71	0.30	1.51	4.40	1.53	0.48	0.75	0.10	3.54	0.00	3.48	0.00	1.38	0.39	0.00	0.57
1972-73 SE OF P-VAL	0.19	0.51	0.05	0.29	0.46	0.23	0.31	0.14	0.72	2.72	1.29	0.35	0.34	0.08	1.98	0.00	1.59	0.00	0.76	0.39	0.00	0.34
1972-73 DELTA-P		0.59	-0.59#	-0.20	0.05	-0.06	0.06	-0.35*	0.86	3.75	0.88	-0.17	0.10	-0.55#	2.89	-0.65#	2.03	-0.65*	0.73	-0.26	-0.65#	-0.08
1972-73 SE OF DP		0.40	0.20	0.27	0.38	0.21	0.19	0.17	0.60	2.58	1.21	0.35	0.30	0.19	1.83	0.19	1.48	0.19	0.72	0.37	0.19	0.28
AGE: Ad																						
1972-73 P-VALUE	0.11	0.11	0.40	0.00	0.00	0.13	0.09	0.07	0.46	0.00	0.24	0.00	0.00	0.00	1.48	0.46	0.00	0.00	0.00	0.00	0.00	0.19
1972-73 SE OF P-VAL	0.06	0.11	0.29	0.00	0.00	0.09	0.09	0.05	0.46	0.00	0.17	0.00	0.00	0.00	1.57	0.41	0.00	0.00	0.00	0.00	0.00	0.14
1972-73 DELTA-P		0.00	0.29	-0.11	-0.11	0.02	-0.02	-0.04	0.35	-0.11	0.13	-0.11	-0.11	-0.11	1.37	0.35	-0.11	-0.11	-0.11	-0.11	-0.11	0.08
1972-73 SE OF DP		0.10	0.23	0.06	0.06	0.07	0.06	0.05	0.41	0.06	0.14	0.06	0.06	0.06	1.52	0.38	0.06	0.06	0.06	0.06	0.06	0.10

RESPONSE: 01* AGE: [illegible] TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	19.29	23.22	16.28	17.65	19.94	20.79	17.73	21.97	9.83	7.83	20.24	17.77	16.82	24.95	13.25	17.86	12.05	21.47	14.82	21.25	20.02	21.05
1972-73 SE OF P-VAL	1.19	3.02	2.33	2.20	1.55	1.38	1.59	1.42	1.82	1.96	5.22	5.01	1.96	1.78	1.58	3.87	2.51	3.11	2.47	[illegible]	3.26	2.41
1972-73 DELTA-P		3.93	-3.01	-1.64	0.65	1.50	-1.56	2.68#	-9.46#	-11.46#	0.95	-1.52	-2.47	5.66#	-6.04#	-1.43	-7.24#	2.18	-4.47	[illegible]	0.73	1.76
1972-73 SE OF DP		2.40	2.09	1.91	1.63	0.88	0.91	0.46	1.91	2.13	4.96	4.65	1.65	[illegible]	1.44	3.70	2.43	2.96	2.31	2.91	3.18	1.82
AGE: 13																						
1972-73 P-VALUE	33.58	38.61	28.15	35.24	31.47	33.31	33.75	37.83	13.07	20.61	17.32	24.40	33.15	42.64	19.62	24.20	16.79	45.46	29.35	32.69	34.79	16.39
1972-73 SE OF P-VAL	1.56	3.38	3.45	2.92	2.64	1.67	2.02	1.63	2.41	5.19	3.41	3.75	1.80	2.13	2.56	3.79	2.89	2.75	3.72	[illegible]	5.41	2.45
1972-73 DELTA-P		5.07	-5.39	1.70	-2.07	-0.23	0.21	4.29#	-20.47#	-12.93#	-16.22#	-9.14*	-0.39	9.10#	-13.92#	-9.34#	-16.75#	11.92#	-4.19	-0.85	1.25	[illegible]
1972-73 SE OF DP		2.84	3.03	2.50	2.41	1.05	0.97	0.74	2.42	5.08	3.17	3.68	1.51	1.29	2.12	3.69	3.06	2.78	3.57	2.89	4.83	[illegible]
AGE: 17																						
1972-73 P-VALUE	56.96	53.89	54.05	60.13	59.39	60.02	54.24	61.46	35.73	34.48	48.51	47.04	55.21	63.84	38.56	54.92	40.71	57.19	59.08	51.46	62.15	60.98
1972-73 SE OF P-VAL	1.48	1.72	3.08	3.44	3.48	1.99	1.89	[illegible]	2.36	7.09	5.78	4.14	2.13	1.97	5.02	7.67	4.65	5.56	3.81	2.08	1.85	2.86
1972-73 DELTA-P		-3.07	-2.91	3.17	2.43	3.06*	-2.72*	4.50#	-21.23#	-22.48#	-8.45	-9.92#	-1.75	6.88#	-18.40#	-2.04	-16.25#	0.23	2.12	-5.50*	5.19#	4.02
1972-73 SE OF DP		1.87	2.81	2.77	2.90	1.32	1.20	0.81	2.20	6.73	5.12	3.79	1.83	1.41	4.95	7.06	4.41	5.40	3.84	2.48	2.05	2.22
AGE: Ad																						
1972-73 P-VALUE	56.38	58.34	50.08	54.16	61.80	60.39	52.65	60.56	31.46	40.50	43.94	49.52	62.97	68.62	26.87	54.78	36.30	60.64	56.61	59.24	55.69	56.68
1972-73 SE OF P-VAL	1.23	[illegible]	2.82	2.40	2.42	1.50	1.87	1.29	3.90	4.87	2.29	3.94	1.69	2.47	5.46	3.42	4.40	[illegible]	5.74	3.96	3.56	2.00
1972-73 DELTA-P		1.96	-6.30*	-2.22	5.42#	4.01#	-3.73#	4.18#	-24.92#	-15.88#	-12.44#	-6.86*	6.59#	12.24#	-29.51#	-1.60	-20.08#	12.26#	0.23	2.86	-0.69	0.26
1972-73 SE OF DP		2.16	2.55	2.00	2.07	1.20	1.16	0.72	3.58	4.88	2.06	3.41	1.51	2.16	[illegible]	3.50	4.04	3.90	5.53	3.77	3.37	1.61

RESPONSE: 03 AGE: 9 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	5.40	4.38	6.06	5.62	4.80	3.86	7.00	5.03	5.59	9.37	9.42	6.42	4.68	3.22	8.59	5.66	3.89	6.47	7.76	3.73	4.46	5.65
1972-73 SE OF P-VAL	0.51	0.98	1.08	1.01	1.01	0.61	0.84	0.61	0.91	3.16	3.38	2.40	1.08	0.74	1.13	2.08	1.26	2.48	1.73	1.39	0.84	1.02
1972-73 DELTA-P		-1.02	-1.46	0.22	-0.60	-1.54#	1.60#	-0.37	0.19	3.97	4.02	1.02	-0.72	-2.18#	3.19#	[illegible]	-1.51	1.07	2.36	-1.67	-0.94	0.25
1972-73 SE OF DP		0.85	0.94	0.85	0.89	0.52	0.54	0.28	0.95	3.04	3.22	2.35	0.92	0.72	0.96	[illegible]	1.30	[illegible]	1.75	1.34	0.90	0.84
AGE: 13																						
1972-73 P-VALUE	4.68	2.83	7.42	4.12	4.71	5.40	4.01	3.77	9.99	5.36	9.40	4.36	3.99	3.50	7.77	3.64	11.53	1.75	2.03	3.62	7.49	4.56
1972-73 SE OF P-VAL	0.47	0.89	1.37	0.74	0.88	0.69	0.59	0.52	1.58	1.74	2.48	1.71	0.86	0.62	1.30	1.38	1.97	1.07	0.98	1.28	1.67	0.78
1972-73 DELTA-P		-1.85*	2.74*	-0.56	0.03	0.72	-0.67	-0.91#	5.31#	0.68	4.72*	-0.32	-0.69	-1.18*	3.09#	-1.04	6.85#	-2.93#	-2.65#	-1.06	2.81	-0.12
1972-73 SE OF DP		0.82	1.13	0.68	0.77	0.44	0.42	0.28	1.48	1.72	2.33	1.60	0.77	0.49	1.20	1.36	1.83	1.07	0.99	1.30	1.51	0.61

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302008-1234 UB272

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIIB

RESPONSE: 03 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 17																						
1972-73 P-VALUE	2.56	3.11	1.99	2.61	2.38	2.60	2.52	2.02	4.08	7.86	3.35	5.43	1.69	2.13	5.00	1.59	6.49	2.17	1.4[illegible]	6.44	1.99	0.85
1972-73 SE OF P-VAL	0.50	1.01	0.83	1.06	0.97	0.70	0.58	0.52	1.30	3.15	2.19	1.95	0.53	0.64	1.93	1.46	1.82	1.04	1.01	1.87	0.74	0.42
1972-73 DELTA-P		0.55	-0.57	0.05	-0.18	0.04	-0.04	-0.54*	1.52	5.30	0.79	2.87	-0.87	-0.43	2.44	-0.97	3.93*	-0.39	-1.13	3.88#	-0.57	-1.71#
1972-73 SE OF DP		0.84	0.61	0.88	0.85	0.42	0.37	0.2[illegible]	1.24	2.98	2.09	1.69	0.56	0.36	1.87	1.41	1.63	1.09	1.01	1.53	0.81	0.54
AGE: Ad																						
1972-73 P-VALUE	6.27	6.00	8.49	5.16	5.98	4.89	7.5[illegible]	3.36	23.13	18.15	11.06	6.94	4.24	2.20	17.30	6.13	17.96	2.48	8.69	4.83	7.06	4.41
1972-73 SE OF P-VAL	0.72	1.79	2.17	0.99	1.03	0.96	1.06	0.44	4.40	3.85	1.80	1.52	1.33	0.84	5.58	1.93	4.45	0.96	1.82	1.73	2.28	1.03
1972-73 DELTA-P		-0.27	2.22	-1.11	-0.29	-1.38	1.28	-2.91#	16.86#	11.88#	4.79#	0.6[illegible]	-2.03	-4.07#	11.03*	-0.14	11.69#	-3.79#	2.42	-1.44	0.79	-1.86*
1972-73 SE OF DP		1.48	1.84	0.97	1.01	0.73	0.68	0.63	3.95	3.71	1.47	1.53	1.06	0.89	5.48	1.84	4.13	1.14	1.88	1.70	2.15	0.83

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 302009-1234

72-73 Report #: UU273

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Sub obj: B. Appreciate inquiry skills.

Science Type: Unclassified

Exercise Type: Multiple part short answer using drawing
Scoring Type: Professional
Administration Mode: Individual for age 9/Group at other ages

Age:	9	13	17IS	Adult
72-73 Package-Exercise:	09-04	04-20	08-24	07-21
72-73 National P-val:				
UU273-1	12.99	36.56	57.49	61.02
UU273-2	10.94	36.59	56.23	56.75
UU273-3	7.59	29.71	46.06	46.61
Timing: (in seconds)				
Stimulus:	*	35	31	32
Response:	*	146	145	*
UU273 Exercise total:	*	181	176	*

*Time not limited by paced tape.

EXERCISE: 302009-1234 UU273

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part 1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 9	TEXT: No Response.																					
1972-73 P-VALUE	7.89	7.93	8.70	7.52	7.55	7.20	8.62	7.26	7.73	16.70	13.88	11.87	8.19	4.97	9.72	13.31	9.70	4.05	6.58	5.37	9.67	7.94
1972-73 SE OF P-VAL	0.94	1.35	2.05	1.72	1.86	1.22	1.15	1.09	1.78	3.67	3.87	3.78	1.62	0.88	1.63	3.20	2.44	1.70	1.60	1.97	2.40	1.81
1972-73 DELTA-P		-0.06	0.81	-0.37	-0.34	-0.69	0.73	-0.63	-0.16	8.81#	5.99	3.98	0.30	-2.92#	1.83	5.42	1.81	-3.84*	-1.31	-2.52	1.78	0.05
1972-73 SE OF DP		1.66	1.76	1.48	1.67	0.70	0.74	0.42	1.82	3.44	3.71	3.55	1.30	0.82	1.06	2.91	2.62	1.69	1.66	1.95	2.17	1.23
AGE: 13																						
1972-73 P-VALUE	2.32	[illegible]	3.26	1.89	2.60	3.35	1.23	1.57	5.60	4.40	2.35	1.07	2.06	1.66	5.09	2.47	5.27	1.11	0.64	2.13	3.05	2.14
1972-73 SE OF P-VAL	0.33	[illegible]	0.85	0.58	0.66	0.53	0.32	0.31	1.13	1.16	0.86	0.36	0.53	0.43	1.07	0.88	1.16	0.76	0.17	0.80	0.83	0.60
1972-73 DELTA-P		[illegible]	0.94	-0.43	0.28	1.03#	-1.09#	-0.75#	3.28#	2.08	0.03	-1.25#	-0.26	-0.66*	2.77#	0.15	2.95#	-1.21	-1.68#	-0.19	0.73	-0.18
1972-73 SE OF DP		0.52	0.73	0.51	0.57	0.28	0.30	0.18	0.96	1.13	0.83	0.41	0.43	0.33	0.93	0.79	1.08	0.75	0.35	0.70	0.77	0.48
AGE: 17																						
1972-73 P-VALUE	4.46	4.07	3.83	3.14	6.97	6.30	2.76	3.58	7.80	11.15	6.27	4.68	5.01	2.39	13.32	1.51	[illegible]	2.13	2.87	11.06	2.27	4.62
1972-73 SE OF P-VAL	0.93	1.19	1.14	0.97	3.25	1.19	0.90	0.86	2.22	4.17	2.77	1.52	1.36	0.81	3.02	0.91	[illegible]	1.03	1.39	6.33	0.88	1.10
1972-73 DELTA-P		-0.39	-0.63	-1.32	2.51	1.84#	-1.70#	-0.88#	3.34	6.69	1.81	0.22	0.55	-2.07#	8.86#	-2.95*	[illegible]	-2.33*	-1.59	6.60	-2.19	0.16
1972-73 SE OF DP		1.25	1.27	1.12	2.50	0.51	0.48	0.33	2.06	3.63	2.31	1.25	0.82	0.51	2.83	1.21	2.45	1.14	1.47	5.63	1.18	1.09
AGE: Ad																						
1972-73 P-VALUE	0.98	1.44	1.63	0.06	0.99	1.15	0.82	0.90	1.55	1.20	0.80	1.75	1.08	0.10	5.69	1.48	0.67	0.82	1.35	1.51	0.00	1.04
1972-73 SE OF P-VAL	0.25	0.66	0.70	0.06	0.47	0.41	0.27	0.27	1.06	0.89	0.44	1.04	0.42	0.10	3.10	[illegible]	0.49	0.81	1.05	0.94	0.00	0.38
1972-73 DELTA-P		0.46	0.65	-0.92#	0.01	0.17	-0.16	-0.08	0.57	0.22	-0.18	0.77	0.10	-0.88#	4.71	[illegible]	-0.31	-0.16	0.37	0.53	-0.98#	0.06
1972-73 SE OF DP		0.53	0.59	0.26	0.41	0.24	0.22	0.13	1.00	0.84	0.41	0.90	0.36	0.26	2.98	1.12	0.51	0.73	0.97	0.84	0.25	0.33
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	12.99	12.98	8.52	15.23	14.93	13.81	12.13	14.35	7.15	9.04	9.33	5.57	12.34	15.97	[illegible]	13.00	8.47	13.21	7.64	14.94	12.32	15.38
1972-73 SE OF P-VAL	0.95	1.17	1.97	1.83	2.28	1.35	1.30	1.14	1.34	2.72	2.46	2.38	1.56	1.69	[illegible]	2.61	2.44	2.78	1.70	2.47	2.77	1.86
1972-73 DELTA-P		-0.01	-4.47#	2.24	1.94	0.82	-0.86	1.36#	-5.84#	-3.95	-3.66	-7.42#	-0.65	2.98#	[illegible]	0.01	-4.52	0.22	-5.35#	1.95	-0.67	2.39
1972-73 SE OF DP		1.26	1.67	1.53	1.92	0.90	0.95	0.36	1.49	2.72	2.46	2.53	1.43	1.15	1.19	2.60	2.66	2.57	1.76	2.09	2.47	1.46
AGE: 13																						
1972-73 P-VALUE	36.56	39.67	32.79	37.59	35.46	33.47	39.86	40.56	19.35	25.09	29.51	29.99	38.39	46.04	18.11	30.59	23.78	44.16	36.50	39.68	39.02	37.99
1972-73 SE OF P-VAL	1.54	2.72	4.21	2.90	2.59	1.72	1.93	1.65	2.87	3.07	5.15	3.55	2.37	2.05	2.04	4.52	2.73	4.91	2.99	4.18	3.93	2.40
1972-73 DELTA-P		3.11	-3.77	1.03	-1.10	-3.09#	3.30#	4.00#	-17.21#	-11.47#	-7.05	-6.57*	1.83	9.48#	-18.45#	-5.97	-12.78#	7.60	-0.06	3.12	2.46	1.43
1972-73 SE OF DP		2.43	3.57	2.47	2.38	0.95	1.07	0.61	2.70	3.05	4.72	3.27	1.64	1.42	2.28	3.86	2.69	4.89	3.12	3.76	3.62	1.85
AGE: 17																						
1972-73 P-VALUE	57.49	62.70	48.58	62.65	53.83	56.16	58.72	61.12	37.49	44.10	40.77	42.22	54.99	67.09	47.90	55.69	43.83	68.44	59.59	54.84	61.49	55.86
1972-73 SE OF P-VAL	1.47	2.94	3.82	1.63	3.53	1.91	1.79	1.54	3.39	5.97	4.78	3.78	2.35	1.76	4.64	2.42	5.47	3.62	2.88	5.72	2.96	2.75
1972-73 DELTA-P		5.21*	-8.91#	5.16#	-3.66	-1.33	1.23	3.63#	-20.00#	-13.39*	-16.72#	-15.27#	-2.50	9.60#	-9.59*	-1.80	-13.66#	10.95#	2.10	-2.65	4.00	-1.63
1972-73 SE OF DP		2.55	3.27	1.84	2.91	1.16	1.07	0.72	3.82	5.69	4.51	3.20	2.00	1.45	4.25	2.59	5.41	3.54	3.01	5.30	2.78	2.00
AGE: Ad																						
1972-73 P-VALUE	61.02	61.76	52.50	62.42	65.57	59.36	62.56	66.03	34.44	34.60	47.37	57.47	64.03	77.28	24.23	54.95	40.51	70.36	60.46	59.90	68.13	62.24
1972-73 SE OF P-VAL	1.61	2.72	3.88	3.01	3.34	2.15	1.90	1.49	4.37	6.29	2.85	3.79	2.15	1.89	6.88	4.58	4.84	5.25	3.63	4.39	4.38	2.66
1972-73 DELTA-P		0.74	-8.52#	1.40	4.55	-1.66	1.54	5.01#	-26.58#	-26.42#	-13.65#	-3.55	3.01	16.26#	-36.79#	-6.07	-20.51#	9.34	-0.54	-1.12	7.11	1.22
1972-73 SE OF DP		2.50	3.40	2.59	2.78	1.29	1.19	0.75	4.00	6.03	2.15	3.27	1.85	1.62	7.01	4.52	4.87	4.70	3.48	3.95	4.21	2.14
RESPONSE: 03 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	25.17	30.53	24.47	19.72	26.70	23.68	26.74	24.77	23.80	33.83	25.17	21.84	23.76	19.25	34.42	18.10	25.21	25.93	32.93	30.86	22.79	23.08
1972-73 SE OF P-VAL	1.39	2.77	2.49	2.80	3.34	1.69	1.93	1.52	3.25	5.52	4.58	4.71	2.57	1.99	2.36	2.51	4.53	3.32	4.11	4.33	2.67	3.01
1972-73 DELTA-P		5.36*	-0.70	-5.45*	1.53	-1.49	1.57	-0.40	-1.37	8.66	0.00	-3.33	-1.41	-5.92#	9.25#	-7.07#	0.04	0.76	7.76*	5.69	-2.38	-2.09
1972-73 SE OF DP		2.45	2.28	2.33	2.85	1.12	1.20	0.60	3.07	5.20	4.20	4.17	1.91	1.73	1.99	2.63	4.41	3.24	3.75	3.96	2.81	2.31
AGE: 13																						
1972-73 P-VALUE	7.71	5.30	7.96	8.06	9.53	9.29	6.03	6.63	11.02	12.60	12.95	11.58	7.31	3.77	12.85	10.47	14.63	4.01	5.67	5.86	7.91	7.19
1972-73 SE OF P-VAL	0.85	1.42	1.18	2.11	1.69	1.05	0.93	0.85	1.95	3.77	3.15	3.08	1.18	0.91	1.85	2.23	2.46	2.45	1.72	1.61	2.01	1.72
1972-73 DELTA-P		-2.41	0.25	0.35	1.82	1.58#	-1.68#	-1.08#	3.31*	4.89	5.24	3.87	-0.40	-3.94#	5.14#	2.76	6.92#	-3.70	-2.04	-1.85	0.20	-0.52
1972-73 SE OF DP		1.31	1.24	1.64	1.46	0.48	0.52	0.42	1.64	3.56	2.97	2.70	0.83	0.93	1.56	2.08	2.33	2.42	1.74	1.51	1.91	1.31

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

EXERCISE: 302009-1234 UU273

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part 1.

RESPONSE: 03 AGE: 17 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	3.50	3.63	4.54	2.95	3.09	3.86	3.17	2.95	6.00	6.73	4.09	8.95	3.64	1.31	7.77	3.93	7.04	2.61	4.69	2.41	2.65	3.20
1972-73 SE OF P-VAL	0.52	1.28	1.26	0.77	0.88	0.67	0.62	0.53	1.59	1.84	1.42	2.54	0.70	0.37	2.54	1.29	2.25	1.44	1.74	1.34	0.80	0.81
1972-73 DELTA-P		0.13	1.04	-0.55	-0.41	0.36	-0.33	-0.55●	2.50	3.23	0.59	5.45•	0.14	-2.19●	4.27	0.43	3.54	-0.89	1.19	-1.09	-0.85	-0.30
1972-73 SE OF DP		1.04	1.09	0.73	0.81	0.40	0.37	0.22	1.41	1.80	1.31	2.23	0.59	0.31	2.35	1.25	2.15	1.25	1.67	1.20	0.84	0.67
AGE: Ad																						
1972-73 P-VALUE	17.55	18.67	25.80	17.36	10.16	18.90	16.30	14.87	33.80	27.87	27.88	20.76	14.90	5.15	47.54	22.07	33.57	7.21	13.08	14.67	12.20	19.80
1972-73 SE OF P-VAL	1.59	2.77	3.04	3.34	3.27	2.25	1.69	1.58	4.51	5.95	2.48	3.47	2.21	1.07	8.36	2.94	4.24	3.48	2.60	3.87	2.33	2.77
1972-73 DELTA-P		1.12	8.25●	-0.19	-7.39●	1.35	-1.25	-2.68●	16.25●	10.32	10.33●	3.21	-2.65	-12.40●	29.99●	4.52	16.02●	-10.34●	-4.47	-2.88	-5.35•	2.25
1972-73 SE OF DP		2.51	2.85	2.75	2.71	1.22	1.15	0.61	4.04	5.68	1.69	2.77	1.61	1.56	8.06	3.09	3.97	3.13	2.59	3.47	2.49	1.95

EXERCISE: 302009-1234 UU273

Part 2.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	24.67	20.29	28.88	29.81	18.72	22.88	26.57	22.43	33.84	32.24	33.54	34.31	23.11	23.62	24.37	31.87	31.93	18.12	29.58	20.05	29.32	21.33
1972-73 SE OF P-VAL	1.76	3.24	4.20	3.43	3.07	1.77	2.11	1.84	3.33	5.05	5.34	6.20	2.58	1.88	2.41	3.48	3.80	3.06	3.65	3.92	3.80	2.90
1972-73 DELTA-P		-4.38	4.21	5.14	-5.95•	-1.79•	1.90•	-2.24●	9.17●	7.57	8.87	9.64	-1.56	-1.05	-0.30	7.20•	7.26	-6.55•	4.91	-4.62	4.65	-3.34
1972-73 SE OF DP		2.86	3.40	2.84	2.86	0.80	0.87	0.61	2.67	4.77	4.81	5.66	1.80	1.33	1.58	3.39	3.86	2.87	3.40	3.37	3.37	1.96
AGE: 13																						
1972-73 P-VALUE	7.27	4.97	10.14	6.04	8.53	9.02	5.41	5.27	15.82	13.07	11.21	6.79	7.55	4.90	10.59	8.05	15.12	3.79	4.70	7.73	6.45	6.73
1972-73 SE OF P-VAL	0.85	0.78	1.40	1.76	2.30	1.12	0.86	0.81	2.32	2.46	3.05	1.91	1.19	1.05	1.74	1.44	2.83	1.84	2.21	2.88	1.50	1.12
1972-73 DELTA-P		-2.30•	2.87•	-1.23	1.26	1.75●	-1.86●	-2.00●	8.55●	5.80•	3.94	-0.48	0.28	-2.37●	3.32•	0.78	7.85●	-3.48	-2.57	0.46	-0.82	-0.54
1972-73 SE OF DP		1.01	1.38	1.44	1.82	0.53	0.56	0.37	1.99	2.43	2.81	1.88	0.82	0.66	1.56	1.40	2.46	1.84	2.07	2.40	1.50	1.01
AGE: 17																						
1972-73 P-VALUE	9.52	8.14	9.78	7.87	12.66	11.47	7.72	7.84	16.08	21.98	9.71	12.21	9.88	6.42	23.72	6.08	15.37	4.61	8.44	20.33	6.52	8.96
1972-73 SE OF P-VAL	1.12	1.35	1.78	1.39	3.67	1.38	1.22	1.07	2.94	4.78	2.82	2.82	1.52	1.07	4.31	1.60	3.56	1.64	1.18	6.27	1.38	1.17
1972-73 DELTA-P		-1.38	0.26	-1.65	3.14	1.95●	-1.80●	-1.68●	6.56•	12.46●	0.19	2.69	0.36	-3.10●	14.20●	-3.44	5.85	-4.91●	-1.08	10.81	-2.60	-0.56
1972-73 SE OF DP		1.45	1.75	1.43	2.85	0.69	0.63	0.45	2.78	4.40	2.48	2.32	0.95	0.64	4.25	1.82	3.40	1.49	1.77	5.47	1.55	1.28
AGE: Ad																						
1972-73 P-VALUE	6.98	8.05	7.71	5.34	7.10	6.78	7.16	6.37	11.33	8.01	10.06	7.42	5.13	5.07	13.66	7.61	11.23	4.41	4.33	7.43	5.41	7.63
1972-73 SE OF P-VAL	0.82	2.25	1.50	1.15	1.43	1.23	0.90	0.80	2.46	2.53	2.05	2.01	1.01	1.20	4.70	2.85	2.58	1.64	1.84	2.01	1.87	1.27
1972-73 DELTA-P		1.07	0.73	-1.64	0.12	-0.20	0.18	-0.61•	4.35•	1.03	3.08•	0.44	-1.85	-1.91	6.68	0.63	4.25	-2.57	-2.65	0.45	-1.57	0.65
1972-73 SE OF DP		1.77	1.41	1.13	1.28	0.72	0.67	0.27	2.13	2.49	1.50	1.91	1.10	1.13	4.37	2.76	2.33	1.55	1.65	1.92	1.69	0.94

RESPONSE: 01• AGE: 9 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	10.94	11.58	8.28	12.71	10.83	10.98	10.90	12.20	6.07	6.01	5.29	6.58	7.92	15.79	9.05	9.74	8.97	17.69	8.12	10.14	9.62	11.16
1972-73 SE OF P-VAL	0.83	1.74	1.52	1.77	1.50	1.14	1.04	1.03	1.25	2.30	2.34	2.27	1.07	1.68	1.35	2.37	2.18	3.45	1.67	2.24	1.79	1.43
1972-73 DELTA-P		0.64	-2.66	[illegible]	-0.11	0.04	-0.04	1.26●	-4.87●	-4.93•	-5.65•	-4.36•	-3.02●	4.85●	-1.89	-1.20	-1.97	6.75•	-2.82	-0.80	-1.32	0.22
1972-73 SE OF DP		1.48	1.36	1.44	1.39	0.69	0.73	0.35	1.34	2.35	2.31	2.16	1.03	1.18	1.30	2.25	2.19	3.12	1.67	2.24	1.54	1.07
AGE: 13																						
1972-73 P-VALUE	36.59	41.88	29.07	39.67	33.52	36.33	36.87	41.44	15.58	22.90	23.40	31.84	39.56	44.16	22.60	34.55	19.45	50.51	34.40	37.78	36.02	39.08
1972-73 SE OF P-VAL	1.54	3.46	3.30	2.59	2.79	2.00	1.80	1.71	2.33	2.37	4.31	3.69	2.22	2.40	2.52	3.20	2.32	4.10	4.37	5.00	3.91	2.71
1972-73 DELTA-P		5.29	-6.72•	3.08	-3.07	-0.26	0.28	4.85●	-21.01●	-13.69●	-13.19●	-4.75	2.97	7.57●	-13.99●	-2.04	-17.14●	13.92●	-2.19	1.19	-0.57	2.49
1972-73 SE OF DP		2.82	3.00	2.30	2.46	1.09	1.16	0.66	2.65	2.63	4.48	3.91	1.56	1.56	2.31	2.91	2.48	3.95	4.38	4.56	3.82	2.13
AGE: 17																						
1972-73 P-VALUE	56.23	58.56	50.92	60.72	53.19	54.50	57.83	60.27	33.96	41.34	43.96	36.12	55.91	65.52	41.61	57.61	39.06	66.17	56.63	52.73	56.58	57.13
1972-73 SE OF P-VAL	1.57	3.27	3.97	1.94	3.50	1.60	2.15	1.58	3.09	5.31	5.77	4.28	1.95	1.69	5.22	5.71	5.64	3.42	3.80	4.85	3.64	1.81
1972-73 DELTA-P		2.33	-5.31	4.49•	-3.04	-1.73	1.60	4.04●	-22.27●	-14.89●	-12.27•	-20.11●	-0.32	9.29●	-14.62●	1.38	-17.17●	9.94●	0.40	-3.50	0.35	0.90
1972-73 SE OF DP		2.77	3.42	2.00	2.96	1.14	1.04	0.79	2.94	5.02	5.07	3.56	1.81	1.22	5.27	5.34	5.45	3.10	3.95	4.31	3.15	1.68

• The absolute value of this number is greater than 2.0 times its standard error.
● The absolute value of this number is greater than 2.5 times its standard error.

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                          NATION |               REGION               |     SEX       |        RACE          |                PARENTAL EDUCATION              |               SIZE-AND-TYPE OF COMMUNITY
                                 | NORTH   SOUTH                      |               |                OTHER |          SOME     GRAD     POST                |EXTREME   LOW     HIGH     MAIN    URBAN   MEDIUM   SMALL
                          -------|  EAST    EAST  CENTRAL     WEST    |  MALE  FEMALE | WHITE   BLACK   RACE | NO HS     HS       HS       HS    UNKNOWN      | RURAL   METRO   METRO  BIG CTY  FRINGE   CITY   PLACES
EXERCISE: 302009-1234  00273

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part 2.

RESPONSE:  01*   AGE: Ad        TEXT:  All Acceptable Responses.

   1972-73 P-VALUE         56.75   55.51   47.92   59.37   62.16    54.46   58.88    61.26   33.37   32.55    42.81   55.00   59.42   72.18   24.22    50.14   40.07   68.99   57.58   60.65   62.20   54.87
   1972-73 SE OF P-VAL      1.76    3.81    3.07    2.37    3.71     2.40    1.86     1.67    4.75    6.11     2.87    3.59    2.64    2.43    7.41     4.76    4.00    4.64    3.54    3.80    4.70    3.09
   1972-73 DELTA-P                 -1.24   -8.83#   2.62    5.41    -2.29    2.13     4.51# -23.38# -24.20#  -13.94#  -1.75    2.67   15.43# -32.53#   -6.61  -16.68#  12.24#   0.83    3.90    5.45   -1.88
   1972-73 SE OF DP                 3.14    2.91    2.32    3.05     1.41    1.32     0.66    4.27    5.86     2.10    3.33    2.29    2.12    7.54     4.66    4.32    4.19    3.59    3.76    4.41    2.23

RESPONSE:  03    AGE:  9        TEXT:  I Don't Know.

   1972-73 P-VALUE         37.38   43.87   34.90   31.06   40.61    37.17   37.60    37.27   35.37   43.77    35.22   33.16   37.52   30.31   47.21    29.83   39.20   40.73   38.41   47.28   32.82   35.75
   1972-73 SE OF P-VAL      1.60    3.32    3.02    2.33    4.32     1.76    2.23     1.75    4.08    6.29     4.75    5.47    2.96    2.02    2.60     3.57    5.47    3.84    4.23    4.60    2.86    2.60
   1972-73 DELTA-P                  6.49*  -2.48   -6.32#   3.23    -0.21    0.22    -0.11   -2.01    6.39    -2.16   -4.22    0.14   -7.07#   9.83#   -7.55*   1.82    3.35    1.03    9.90*  -4.56   -1.63
   1972-73 SE OF DP                 2.95    2.72    2.21    3.61     1.17    1.24     0.71    3.76    6.03     4.36    4.90    2.29    1.66    2.17     3.41    5.13    3.56    3.85    4.09    2.92    2.01

                 AGE: 13

   1972-73 P-VALUE         10.69    7.59   10.30   11.93   12.53    12.28    8.99     9.82   12.58   15.62    13.89   11.94   11.06    7.26   15.70    13.17   14.89    5.33    6.78   10.45   12.24   10.75
   1972-73 SE OF P-VAL      0.87    1.29    1.55    1.99    1.83     1.18    0.98     0.90    2.32    4.67     3.21    2.99    1.10    1.13    2.10     2.92    2.49    2.55    1.96    2.07    2.23    1.74
   1972-73 DELTA-P                 -3.10#  -0.11    1.24    1.84     1.59*  -1.70*   -0.87    1.89    4.93     3.20    1.25    0.37   -3.43#   5.01#    2.48    4.20   -5.36*  -3.91   -0.24    1.55    0.06
   1972-73 SE OF DP                 1.24    1.46    1.58    1.59     0.64    0.69     0.54    2.44    4.40     3.01    2.67    0.77    1.01    1.88     2.74    2.44    2.57    1.96    1.94    2.10    1.37

                 AGE: 17

   1972-73 P-VALUE          5.00    5.70    6.87    3.52    4.37     4.95    5.04     4.35    7.89    9.04     5.64   11.28    5.60    2.49    7.77     4.07   11.22    3.85    5.84    2.99    3.98    4.94
   1972-73 SE OF P-VAL      0.60    1.44    1.52    0.83    1.03     0.65    0.72     0.59    1.59    2.20     1.59    2.81    0.81    0.55    2.47     1.29    2.62    1.46    1.56    1.44    0.98    0.90
   1972-73 DELTA-P                  0.70    1.87   -1.48   -0.63    -0.05    0.04    -0.65#   2.89*   4.04     0.64    6.28#   0.60   -2.51#   2.77    -0.93    6.22#  -1.15    0.84   -2.01   -1.02   -0.06
   1972-73 SE OF DP                 1.17    1.30    0.81    0.94     0.53    0.44     0.24    1.36    2.07     1.57    2.45    0.66    0.58    2.31     1.30    2.44    1.24    1.54    1.26    1.05    0.74

                 AGE: Ad

   1972-73 P-VALUE         20.01   21.02   28.76   19.01   13.19    21.31   18.80    16.97   37.97   32.61    31.07   23.64   17.55    6.44   49.44    26.53   35.55    9.96   19.38   17.60   14.97   20.83
   1972-73 SE OF P-VAL      1.60    2.77    3.31    3.20    3.43     2.31    1.71     1.60    4.89    5.69     2.34    3.57    2.44    1.27    8.19     3.84    4.13    3.56    3.13    3.57    2.23    2.83
   1972-73 DELTA-P                  1.01    8.75#  -1.00   -6.82*    1.30   -1.21    -3.04#  17.96#  12.60*   11.06#   3.63   -2.46  -13.57#  29.43#    6.52   15.54# -10.05#  -0.63   -2.41   -5.04*   0.82
   1972-73 SE OF DP                 2.52    3.03    2.69    2.81     1.27    1.20     0.62    4.45    5.49     1.65    2.89    1.84    1.63    7.96     3.87    3.91    3.16    3.08    3.20    2.36    1.99

EXERCISE: 302009-1234  00273

Part 3.

RESPONSE:  00    AGE:  9        TEXT:  No Response.

   1972-73 P-VALUE         36.42   29.38   42.56   42.52   30.20    35.30   37.60    34.62   45.01   39.58    44.99   46.80   35.26   37.02   33.62    43.89   43.52   30.57   40.67   32.82   44.20   31.32
   1972-73 SE OF P-VAL      2.14    4.17    5.13    3.70    3.92     2.44    2.43     2.33    3.54    5.59     6.40    6.20    2.89    2.28    3.18     4.95    5.18    4.33    3.98    4.97    3.58    3.60
   1972-73 DELTA-P                 -7.04    6.14    6.10   -6.22    -1.12    1.18    -1.80#   8.59#   3.16     8.57   10.38   -1.16    0.60   -2.80     7.47    7.10   -5.85    4.25   -3.60    7.78*  -5.10*
   1972-73 SE OF DP                 3.60    4.32    3.21    3.62     1.14    1.21     0.67    2.98    5.30     6.02    5.54    1.90    1.64    1.96     4.66    5.19    3.81    3.86    4.31    3.55    2.39

                 AGE: 13

   1972-73 P-VALUE         17.93   14.75   22.21   14.49   21.34    19.85   15.88    13.85   34.16   31.40    21.50   15.49   18.72   14.53   24.02    21.06   30.96    8.06   19.39   18.53   15.98   15.60
   1972-73 SE OF P-VAL      1.26    1.87    2.66    2.02    3.24     1.57    1.48     1.11    2.52    3.80     4.19    2.33    2.07    1.41    2.33     3.56    2.82    2.38    5.80    3.67    2.28    1.45
   1972-73 DELTA-P                 -3.18    4.28   -3.44    3.41     1.92*  -2.05*   -4.08#  16.23#  13.47#    3.57   -2.44    0.79   -3.40#   6.09#    3.13   13.03#  -9.87#   1.46    0.60   -1.95   -2.33
   1972-73 SE OF DP                 1.84    2.39    1.84    2.55     0.85    0.91     0.65    2.29    3.42     3.58    2.36    1.34    1.16    2.14     3.17    2.60    2.52    5.17    3.29    2.26    1.51

                 AGE: 17

   1972-73 P-VALUE         20.85   21.23   23.96   17.94   21.14    21.61   20.15    17.77   34.76   39.17    26.41   24.54   20.99   15.36   44.87    21.60   28.68   14.93   27.18   30.27   17.77   17.84
   1972-73 SE OF P-VAL      1.37    2.22    2.76    1.98    3.92     1.87    1.73     1.33    2.82    4.57     3.30    3.81    1.72    1.54    5.12     3.11    3.03    3.54    4.48    6.46    2.16    1.66
   1972-73 DELTA-P                  0.38    3.11   -2.91    0.29     0.76   -0.70    -3.08#  13.91#  18.32#    5.56    3.69    0.14   -5.49#  24.02#    0.75    7.83*  -5.92    6.33    9.42   -3.08   -3.01
   1972-73 SE OF DP                 2.07    2.48    1.85    3.12     0.88    0.81     0.54    2.68    4.19     3.08    3.29    1.32    1.03    5.02     3.11    3.27    3.02    4.41    5.67    2.25    1.68

                 AGE: Ad

   1972-73 P-VALUE         14.65   14.07   12.89   15.67   15.52    12.47   16.68    14.21   16.06   18.78    17.37   19.01   13.34   10.17   20.55    15.48   15.89    9.60    9.46   16.19   14.96   16.55
   1972-73 SE OF P-VAL      1.07    2.35    2.03    2.16    1.96     1.43    1.25     1.10    3.01    3.36     2.00    2.46    1.49    1.76    6.20     3.24    3.14    2.12    2.06    2.49    3.67    1.62
   1972-73 DELTA-P                 -0.58   -1.76    1.02    0.87    -2.18#   2.03#   -0.44    1.41    4.13     2.72    4.36   -1.31   -4.48#   5.90     0.83    1.24   -5.05*  -5.19#   1.54    0.31    1.90
   1972-73 SE OF DP                 1.97    1.90    1.80    1.74     0.85    0.80     0.36    2.69    3.23     1.62    2.31    1.18    1.47    5.70     3.21    2.82    2.07    1.99    2.34    3.24    1.22

*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 302009-1234 0U273

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part 1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	7.59	7.24	5.15	8.84	9.00	7.82	7.35	8.71	2.59	4.75	2.89	5.39	6.88	10.57	5.53	8.10	3.09	9.88	4.87	5.45	5.71	10.22
1972-73 SE OF P-VAL	0.66	1.14	0.88	1.34	1.79	0.92	0.88	0.79	0.93	2.51	1.68	2.29	1.36	1.20	1.24	2.95	1.25	1.79	1.79	1.75	1.22	1.33
1972-73 DELTA-P		-0.15	-2.44#	1.25	1.41	0.23	-0.24	1.12#	-5.00#	-2.84	-4.70#	-2.20	-0.71	2.98#	-2.06	0.51	-4.50#	2.29	-2.72	-2.14	-1.88	2.63#
1972-73 SE OF DP		1.05	0.92	1.11	1.47	0.59	0.63	0.28	1.13	2.28	1.62	2.13	1.13	0.88	1.24	2.75	1.41	1.72	1.74	1.69	1.24	1.01
AGE: 13																						
1972-73 P-VALUE	29.71	35.44	20.33	33.90	27.30	27.14	32.45	34.55	6.14	19.50	23.13	24.41	29.05	38.30	17.12	23.69	15.06	43.30	28.11	33.26	27.95	32.33
1972-73 SE OF P-VAL	1.27	2.39	2.43	2.73	2.15	1.59	1.57	1.46	1.17	2.65	4.87	3.17	1.84	1.94	1.95	3.93	3.10	4.67	4.29	4.15	2.43	1.88
1972-73 DELTA-P		5.73#	-9.38#	4.09	-2.41	-2.57#	2.74#	4.84#	-23.57#	-10.21#	-6.58	-5.30	-0.66	8.59#	-12.59#	-6.02	-14.65#	13.59#	-1.60	3.55	-1.76	2.62
1972-73 SE OF DP		2.07	2.24	2.21	1.96	0.90	0.99	0.56	1.61	2.69	4.86	2.88	1.43	1.31	1.91	3.51	3.13	4.79	4.04	3.86	2.30	1.59
AGE: 17																						
1972-73 P-VALUE	46.06	46.86	37.65	52.35	45.22	46.61	45.55	50.23	26.25	23.36	32.98	35.69	42.99	56.00	25.17	41.05	32.33	54.62	48.79	43.77	47.90	47.00
1972-73 SE OF P-VAL	1.25	2.47	2.45	2.26	2.68	1.55	1.63	1.36	2.62	4.16	4.24	3.36	2.04	1.60	3.91	4.38	4.15	3.45	5.07	5.02	2.55	1.67
1972-73 DELTA-P		0.80	-9.41#	6.29#	-0.84	0.55	-0.51	4.17#	-19.81#	-22.70#	-13.08#	-10.37#	-3.07	9.94#	-20.89#	-5.01	-13.73#	8.56#	2.73	-2.29	1.84	0.94
1972-73 SE OF DP		2.14	2.23	1.94	2.29	1.03	0.95	0.58	2.82	4.13	4.03	3.02	1.82	1.16	3.89	4.12	4.32	3.17	5.02	4.62	2.31	1.41
AGE: Ad																						
1972-73 P-VALUE	46.61	46.87	42.38	45.97	50.37	48.74	44.62	50.66	23.06	29.18	34.71	41.78	50.20	60.56	16.02	41.79	34.25	56.74	43.50	50.77	49.62	45.55
1972-73 SE OF P-VAL	1.45	2.83	2.93	3.08	2.74	2.31	1.66	1.63	3.63	5.39	2.60	3.47	2.47	2.55	4.34	5.33	2.86	3.14	3.91	4.16	3.97	2.81
1972-73 DELTA-P		0.26	[illegible]	-0.64	3.76	2.13	-1.99	4.05#	-23.55#	-17.43#	-11.90#	-4.83	3.59	13.95#	-30.59#	-4.82	-12.36#	10.13#	-3.11	4.16	3.01	-1.06
1972-73 SE OF DP		2.47	[illegible]	2.49	2.37	1.43	1.32	0.66	3.60	5.41	2.11	3.20	2.21	2.18	4.47	5.20	3.13	3.11	2.85	3.85	3.86	2.02
RESPONSE: 03 AGE: 9	TEXT: I Don't Know.																					
1972-73 P-VALUE	43.70	51.24	39.40	36.69	48.54	43.20	44.23	43.89	40.81	48.19	39.88	32.95	44.89	37.40	53.01	32.94	43.93	45.88	44.18	54.66	37.47	44.28
1972-73 SE OF P-VAL	1.72	3.90	3.71	2.50	3.76	1.91	2.20	1.84	3.77	6.04	4.71	5.48	3.24	2.03	2.67	3.73	6.12	4.28	3.92	4.75	2.70	2.81
1972-73 DELTA-P		7.54*	-4.30	-7.01#	4.84	-0.50	0.53	0.19	-2.89	4.49	-3.82	-10.75*	1.19	-6.30#	9.31#	-10.76#	0.23	2.18	0.48	10.96#	-6.23*	0.58
1972-73 SE OF DP		3.25	3.21	2.36	3.30	1.09	1.15	0.67	3.37	5.73	4.30	4.88	2.32	1.71	2.19	3.49	5.81	3.87	3.62	4.24	2.93	2.01
AGE: 13																						
1972-73 P-VALUE	16.28	12.60	17.61	18.54	16.37	16.80	15.73	15.85	16.30	19.99	20.33	19.95	16.07	12.21	22.11	19.12	19.18	9.32	11.39	13.63	19.15	17.90
1972-73 SE OF P-VAL	1.11	1.52	2.51	2.43	2.24	1.36	1.42	1.18	2.16	5.24	3.61	3.18	1.32	1.38	2.58	3.59	1.79	2.80	2.62	2.41	3.34	1.96
1972-73 DELTA-P		-3.68*	1.33	2.26	0.09	0.52	-0.55	-0.43	0.02	3.71	4.05	3.67	-0.21	-4.07#	5.83#	2.84	2.90	-6.96*	-4.89	-2.65	2.87	1.62
1972-73 SE OF DP		1.53	2.20	1.96	1.92	0.81	0.87	0.57	1.99	4.91	3.27	2.77	1.02	1.10	2.22	3.28	2.02	2.82	2.57	2.23	3.02	1.55
AGE: 17																						
1972-73 P-VALUE	9.43	10.45	10.59	7.77	9.30	8.61	10.19	9.13	10.94	10.91	12.08	16.82	9.77	6.73	10.83	9.45	13.83	7.01	9.26	7.13	7.68	10.71
1972-73 SE OF P-VAL	0.78	1.76	1.83	1.19	1.56	0.92	1.04	0.78	2.00	2.82	2.58	3.71	1.24	0.75	2.89	1.86	3.02	2.00	2.64	1.67	1.66	1.13
1972-73 DELTA-P		1.02	1.16	-1.66	-0.13	-0.82	0.76	-0.30	1.51	1.48	2.65	7.39*	0.34	-2.70#	1.40	0.02	4.40	-2.42	-0.17	-2.30	-1.75	1.28
1972-73 SE OF DP		1.46	1.59	1.11	1.36	0.62	0.58	0.29	1.66	2.69	2.52	3.23	1.02	0.79	2.74	1.84	2.80	1.66	2.54	1.43	1.68	0.96
AGE: Ad																						
1972-73 P-VALUE	24.46	25.48	31.55	23.53	18.86	24.68	24.25	21.31	43.60	36.40	35.20	29.79	22.26	9.89	53.78	31.26	39.78	14.09	25.53	22.45	21.84	24.24
1972-73 SE OF P-VAL	1.56	2.76	3.21	2.88	3.55	2.33	1.59	1.51	4.97	6.06	2.33	3.62	2.33	1.52	7.85	3.91	4.30	3.69	3.48	3.51	2.54	2.70
1972-73 DELTA-P		1.02	7.09*	-0.93	-5.60	0.22	-0.21	-3.15#	19.14#	11.94*	10.74#	5.33	-2.20	-14.57#	29.32#	6.80	15.32#	-10.37#	1.07	-2.01	-2.62	-0.22
1972-73 SE OF DP		2.48	2.94	2.50	2.87	1.27	1.18	0.63	4.40	5.83	1.69	2.99	1.77	1.69	7.68	3.91	4.07	3.36	3.24	3.14	2.56	1.93

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 302010-23

72-73 Report #: UU274

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: B. Appreciate inquiry skills.

Science Type: Unclassified

Exercise Type: Multiple part multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	09-28	07-28

72-73 National P-val:		
UU274A	85.21	91.85
UU274B	55.00	54.80
UU274C	21.62	14.59
UU274D	55.14	57.23

Timing: (in seconds)

UU274	Introduction:	15	14
	Stimulus:	9	7
	Response:	7	8
UU274A	Part total:	16	15
	Stimulus:	9	8
	Response:	7	9
UU274B	Part total:	16	17
	Stimulus:	12	11
	Response:	7	8
	Turn page:	(6)	(6)
UU274C	Part total:	19**	19**
	Stimulus:	12	11
	Response:	7	8
UU274D	Part total:	19	19
UU274	Exercise total:	85	84

**Time to turn page is not included in total times.

EXERCISE: 302010-23 00274

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part A.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.11	0.50	3.97	0.61	3.41	1.88	2.36	2.15	2.01	1.82	3.68	1.32	2.73	1.12	3.21	2.61	0.85	0.00	0.65	5.97	1.21	2.06
1972-73 SE OF P-VAL	1.06	0.22	2.92	0.32	3.02	0.81	1.52	1.21	1.09	1.27	2.37	1.05	1.57	0.63	1.24	2.00	0.58	0.00	0.41	5.26	0.67	1.99
1972-73 DELTA-P		-1.61	1.86	-1.50	1.30	-0.23	0.25	0.04	-0.10	-0.29	1.57	-0.79	0.62	-0.99	1.10	0.50	-1.26	-2.11	-1.46	3.86	-0.90	-0.05
1972-73 SE OF DP		1.07	2.36	1.08	2.35	0.55	0.59	0.21	1.38	0.99	1.46	0.84	0.63	0.51	0.72	2.03	1.26	1.06	1.12	4.55	1.21	1.54
AGE: 17																						
1972-73 P-VALUE	0.66	2.15	0.05	0.22	0.00	0.48	0.82	0.59	1.27	0.27	0.00	0.00	0.18	0.29	7.53	0.00	1.55	0.00	2.19	1.11	0.00	0.50
1972-73 SE OF P-VAL	0.23	0.77	0.05	0.09	0.00	0.31	0.36	0.25	0.66	0.28	0.00	0.00	0.08	0.27	2.73	0.00	1.07	0.00	1.48	0.90	0.00	0.44
1972-73 DELTA-P		1.49#	-0.61#	-0.44	-0.66#	-0.18	0.16	-0.07	0.61	-0.39	-0.66#	-0.66#	-0.48	-0.37	6.87#	-0.66#	0.89	-0.66#	1.53	0.45	-0.66#	-0.16
1972-73 SE OF DP		0.54	0.24	0.24	0.23	0.26	0.23	0.08	0.57	0.41	0.23	0.23	0.25	0.25	2.54	0.23	1.05	0.23	1.39	0.81	0.23	0.35
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	85.21	85.94	83.82	87.68	83.32	83.68	86.87	87.03	76.84	77.19	77.55	83.23	85.79	87.59	82.02	85.30	77.70	84.67	84.24	80.61	87.98	87.96
1972-73 SE OF P-VAL	1.43	1.89	3.33	1.39	3.98	1.27	2.04	1.64	2.37	4.34	4.30	2.99	2.21	1.50	2.64	3.34	2.77	2.07	2.08	4.90	2.31	2.26
1972-73 DELTA-P		0.73	-1.39	2.47	-1.89	-1.53	1.66	1.82#	-8.37#	-8.02*	-7.66*	-1.98	0.58	2.38	-3.19	0.09	-7.51#	-0.54	-0.97	-4.60	2.77	2.75
1972-73 SE OF DP		1.97	2.80	1.72	3.11	0.84	0.92	0.52	2.62	2.96	3.51	2.63	1.53	[illegible]	2.01	2.93	2.58	2.29	2.40	4.07	2.47	1.73
AGE: 17																						
1972-73 P-VALUE	91.85	89.32	93.78	91.09	93.88	90.81	92.77	93.44	84.44	83.66	90.16	92.58	93.67	92.66	77.38	91.82	82.14	89.97	89.22	90.61	93.20	95.48
1972-73 SE OF P-VAL	0.64	1.33	1.04	1.60	0.81	1.09	0.88	0.61	[illegible]	3.45	3.08	1.84	0.96	0.99	3.87	2.42	2.93	1.33	3.21	1.47	0.90	0.58
1972-73 DELTA-P		-2.53*	1.93	-0.76	2.03*	-1.04	0.92	1.59#	-7.41#	-8.19*	-1.69	0.73	1.82*	0.81	-14.47#	-0.03	-9.71#	-1.88	-2.63	-1.24	1.35	3.63#
1972-73 SE OF DP		1.11	1.02	1.26	0.86	0.79	0.71	0.46	2.43	3.42	3.00	1.79	0.86	0.72	3.76	2.26	2.75	1.77	2.97	1.37	1.00	0.67

EXERCISE: 302010-23 00274

Part B.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.26	0.65	4.07	1.22	3.15	1.98	2.56	[illegible]	3.11	2.34	3.68	2.08	2.86	1.02	3.84	1.85	0.85	0.00	2.32	5.97	1.52	2.12
1972-73 SE OF P-VAL	1.07	0.27	2.93	0.64	3.02	0.81	1.53	1.20	1.56	1.35	2.37	1.20	1.57	0.62	1.55	1.88	0.58	0.00	1.61	5.26	0.65	1.99
1972-73 DELTA-P		-1.61	1.61	-1.64	0.89	-0.28	0.30	-0.12	0.85	0.08	1.42	-0.18	0.60	-1.24*	1.58#	-0.41	-1.41	-2.26*	0.06	3.71	-0.74	-0.14
1972-73 SE OF DP		1.08	2.37	1.16	2.35	0.54	0.59	0.24	1.69	1.07	1.46	1.00	0.65	0.52	1.08	1.95	1.26	1.07	1.81	4.56	1.20	1.54
AGE: 17																						
1972-73 P-VALUE	0.58	1.86	0.05	0.21	0.00	0.48	0.67	0.50	1.27	0.27	0.00	0.00	0.18	0.29	6.25	0.00	1.55	0.00	3.01	1.11	0.00	0.03
1972-73 SE OF P-VAL	0.24	0.87	0.05	0.09	0.00	0.31	0.38	0.23	0.66	0.28	0.00	0.00	0.08	0.27	3.02	0.00	1.07	0.00	2.28	0.90	0.00	0.03
1972-73 DELTA-P		1.28*	-0.53*	-0.37	-0.58*	-0.10	0.09	-0.08	0.59	-0.31	-0.58*	-0.58*	-0.40	-0.29	5.67*	-0.58*	0.97	-0.58*	2.43	0.53	-0.58*	-0.55*
1972-73 SE OF DP		0.64	0.24	0.25	0.24	0.27	0.24	0.07	0.49	0.44	0.24	0.24	0.25	0.25	2.82	0.24	1.07	0.24	2.11	0.81	0.24	0.24
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	55.00	56.69	56.53	56.03	50.99	56.54	53.33	54.73	59.29	51.22	55.72	53.62	54.68	55.45	54.82	51.90	57.36	47.17	51.39	53.87	55.38	59.81
1972-73 SE OF P-VAL	1.68	2.91	4.46	3.61	2.18	1.92	2.21	1.88	3.40	3.72	4.22	3.89	2.40	2.34	3.30	4.34	2.54	2.71	4.32	4.96	4.42	2.32
1972-73 DELTA-P		1.69	1.53	1.03	-4.01	1.54	-1.67	-0.27	4.29	-3.78	0.72	-1.38	-0.32	0.45	-0.18	-3.10	2.36	-7.83#	-3.61	-1.13	0.38	4.81#
1972-73 SE OF DP		2.67	3.66	3.00	2.27	1.14	1.25	0.50	3.13	3.92	3.55	3.65	1.69	1.51	3.14	3.79	2.94	2.69	4.24	4.86	3.92	1.66
AGE: 17																						
1972-73 P-VALUE	54.80	53.68	57.36	51.46	57.50	52.96	56.43	55.54	50.96	51.98	52.85	51.35	53.48	56.71	54.45	64.10	53.25	52.71	51.19	48.56	53.60	57.48
1972-73 SE OF P-VAL	1.26	3.34	2.14	[illegible]	2.30	2.05	1.51	1.32	3.14	5.26	4.23	4.32	2.34	1.69	4.81	3.62	2.70	5.11	4.89	4.19	2.99	2.34
1972-73 DELTA-P		-1.12	2.56	-3.32	2.70	-1.84	1.63	0.74	-3.04	-2.82	-1.95	-3.45	-1.32	1.91	-0.35	9.30#	-1.55	-2.09	-3.61	-6.24	-1.20	2.68
1972-73 SE OF DP		2.59	2.08	1.70	2.04	1.36	1.20	0.51	2.64	5.28	4.08	3.81	2.04	1.22	4.62	3.49	2.64	5.06	4.66	3.97	2.89	1.78

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 302010-23 UU274

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part C.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.36	0.46	4.18	1.39	3.43	2.23	2.50	2.26	3.35	1.92	3.69	[illegible]	3.11	1.05	4.13	2.24	0.85	0.00	2.58	5.66	1.53	2.34
1972-73 SE OF P-VAL	1.07	0.18	2.93	0.67	3.04	0.82	1.53	1.21	1.57	1.26	2.37	1.13	1.58	0.62	1.57	1.96	0.58	0.00	1.63	5.27	0.65	2.01
1972-73 DELTA-P		-1.90	1.82	-0.97	1.07	-0.13	0.14	-0.10	0.99	-0.44	1.33	-0.65	0.75	-1.31*	1.77	-0.12	-1.51	-2.36*	0.22	3.30	-0.83	-0.02
1972-73 SE OF DP		1.08	2.37	1.17	2.36	0.55	0.60	0.24	1.70	0.98	1.44	0.93	0.66	0.53	1.10	2.01	1.26	1.07	1.83	4.57	1.20	1.55
AGE: 17																						
1972-73 P-VALUE	0.92	2.84	0.06	0.22	0.26	0.63	1.18	[illegible]	[illegible]	0.28	0.00	0.00	0.19	0.44	10.59	0.00	2.19	0.00	4.22	1.12	0.00	0.55
1972-73 SE OF P-VAL	0.32	1.08	0.05	0.09	0.16	0.32	0.55	0.32	[illegible]	0.28	0.00	0.00	0.08	0.28	4.06	0.00	1.17	0.00	2.89	0.90	0.00	0.44
1972-73 DELTA-P		1.92*	-0.86#	-0.70*	-0.66	-0.29	0.26	-0.06	[illegible]	-0.64	-0.92#	-0.92#	-0.73*	-0.48	9.67#	-0.92#	1.27	-0.92#	3.30	0.20	-0.92#	-0.37
1972-73 SE OF DP		0.78	0.32	0.33	0.34	0.35	0.31	0.07	0.51	0.49	0.32	0.32	0.33	0.33	3.78	0.32	1.19	0.32	2.67	0.84	0.32	0.42
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	21.62	21.60	26.93	19.55	18.86	25.62	17.28	18.66	40.74	25.65	31.01	23.67	22.18	17.97	24.97	25.07	[illegible]	14.16	20.33	19.79	18.73	22.95
1972-73 SE OF P-VAL	1.01	1.88	2.00	1.74	2.47	1.39	1.20	1.25	3.59	2.77	3.33	3.00	1.75	1.52	3.44	6.44	5.00	2.20	2.90	3.16	2.80	2.18
1972-73 DELTA-P		-0.02	5.31#	-2.07	-2.76	4.00#	-4.34#	-2.96#	19.12#	4.03	9.39#	2.25	0.56	-3.65#	3.35	3.45	13.93#	-7.46#	-1.29	-1.83	-2.89	1.33
1972-73 SE OF DP		1.68	1.81	1.57	2.00	0.83	0.89	0.66	3.61	2.68	3.16	2.94	1.48	1.19	3.22	6.18	4.83	2.21	2.82	3.00	2.57	2.06
AGE: 17																						
1972-73 P-VALUE	14.59	14.68	16.11	11.00	17.10	16.63	12.78	11.34	32.32	24.90	21.27	17.45	12.09	14.76	14.28	18.26	22.85	12.43	18.43	10.65	16.24	12.23
1972-73 SE OF P-VAL	1.02	1.76	1.97	1.69	2.56	1.61	1.00	0.85	3.79	5.25	4.25	3.32	1.25	1.30	3.36	5.19	3.73	3.00	3.40	1.70	2.60	1.08
1972-73 DELTA-P		0.09	1.52	-3.59*	[illegible]	2.04*	-1.81*	-3.25#	17.73#	10.31*	6.68	2.86	-2.50*	0.17	-0.31	3.67	8.26*	-2.16	3.84	-3.94*	1.65	-2.36*
1972-73 SE OF DP		1.56	1.83	1.51	[illegible]	0.88	0.81	0.65	3.50	4.79	3.78	2.92	1.19	0.92	3.11	4.79	3.56	2.73	3.22	1.63	2.38	1.11

EXERCISE: 302010-23 UU274

Part D.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.50	0.65	4.24	1.50	3.63	2.19	2.84	2.32	3.76	2.59	4.89	0.95	3.09	1.17	4.62	2.01	2.19	0.00	2.91	6.08	0.98	2.51
1972-73 SE OF P-VAL	1.09	0.28	2.91	0.99	3.04	0.82	1.56	1.21	1.73	1.66	2.59	0.97	1.59	0.63	1.99	1.73	1.27	0.00	2.55	5.27	0.63	2.01
1972-73 DELTA-P		-1.85	1.74	-1.00	1.13	-0.31	0.34	-0.18	1.26	0.09	2.39	-1.55	0.59	-1.33*	2.12	-0.49	-0.31	-2.50*	0.41	3.58	-1.52	0.01
1972-73 SE OF DP		1.10	2.37	1.29	2.37	0.55	0.60	0.26	1.78	1.41	1.77	0.78	0.70	0.56	1.53	1.84	1.72	1.09	2.54	4.58	1.21	1.56
AGE: 17																						
1972-73 P-VALUE	0.72	2.14	0.21	0.22	0.12	0.46	0.93	0.63	1.54	0.27	0.00	0.00	0.18	0.43	7.49	0.00	1.55	0.00	3.82	1.31	0.00	0.13
1972-73 SE OF P-VAL	0.31	1.10	0.17	0.09	0.12	0.31	0.53	0.30	0.71	0.28	0.00	0.00	0.08	0.28	4.11	0.00	1.07	0.00	3.09	0.93	0.00	0.10
1972-73 DELTA-P		1.42	-0.51	-0.50	-0.60	-0.26	0.21	-0.09	0.82	-0.45	-0.72*	-0.72*	-0.54	-0.29	6.77	-0.72*	0.83	-0.72*	3.10	0.59	-0.72*	-0.59
1972-73 SE OF DP		0.80	0.33	0.32	0.32	0.33	0.30	0.07	0.51	0.50	0.31	0.31	0.31	0.32	3.84	0.31	1.10	0.31	2.84	0.85	0.31	0.31
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	55.14	54.64	54.88	55.72	55.27	55.09	55.20	54.91	57.61	53.86	56.39	55.26	55.37	55.93	51.87	55.68	64.74	[illegible]	48.38	53.80	58.11	57.09
1972-73 SE OF P-VAL	1.36	1.99	3.31	1.77	3.42	1.66	2.13	1.49	3.32	5.16	3.99	4.32	2.55	1.67	2.62	2.60	2.60	2.83	2.70	4.45	2.39	2.76
1972-73 DELTA-P		-0.50	-0.26	0.58	0.13	-0.05	0.06	-0.23	2.47	-1.28	1.25	0.12	0.23	0.79	-3.27	0.54	9.60#	-6.48*	[illegible]	[illegible]	2.97	1.95
1972-73 SE OF DP		1.98	2.76	1.83	2.74	1.27	1.38	0.60	3.22	4.81	3.89	3.65	1.84	1.39	2.48	2.48	2.47	2.73	[illegible]	[illegible]	2.52	2.07
AGE: 17																						
1972-73 P-VALUE	57.23	56.20	58.68	59.38	57.06	57.00	57.44	56.93	58.83	58.34	59.42	59.99	57.12	58.01	45.43	59.63	56.82	49.80	53.84	59.44	57.44	58.85
1972-73 SE OF P-VAL	1.39	1.99	4.20	1.78	3.09	1.54	1.95	1.39	3.18	5.31	4.82	3.26	2.23	2.07	5.58	2.89	3.74	3.09	5.97	3.58	2.62	2.36
1972-73 DELTA-P		-3.03	1.45	2.15	-0.17	-0.23	0.21	-0.30	1.60	1.11	2.19	2.76	-0.11	0.78	-11.80#	2.40	-0.41	-7.43#	-3.39	2.21	0.21	1.62
1972-73 SE OF DP		1.89	3.49	1.85	2.60	1.38	1.23	0.51	2.72	4.93	4.27	3.20	1.85	1.34	5.36	2.81	3.23	3.05	5.29	3.22	2.82	2.06

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 302012-23

72-73 Report #: UU276

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: B. Appreciate inquiry skills.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS
72-73 Package-Exercise:	06-10	03-19
72-73 National P-val: UU276	81.46	78.81
Timing: (in seconds)		
Stimulus:	25	24
Response:	6	6
UU276 Exercise total:	31	30

EXERCISE: 302012-23 00276

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.21	0.20	0.14	0.30	0.18	0.26	0.17	0.15	0.68	0.20	0.00	0.40	0.24	0.19	0.17	0.30	1.03	0.00	0.45	0.00	0.00	0.19
1972-73 SE OF P-VAL	0.09	0.16	0.10	0.22	0.18	0.13	0.13	0.09	0.31	0.20	0.00	0.29	0.20	0.12	0.16	0.22	0.69	0.00	0.42	0.00	0.00	0.18
1972-73 DELTA-P		-0.01	-0.07	0.09	-0.03	0.05	-0.04	-0.06	0.47	-0.01	-0.21*	0.19	0.03	-0.02	-0.04	0.09	0.82	-0.21*	0.24	-0.21*	-0.21*	-0.02
1972-73 SE OF DP		0.14	0.12	0.17	0.16	0.09	0.09	0.04	0.29	0.18	0.09	0.27	0.16	0.10	0.15	0.21	0.64	0.09	0.40	0.09	0.09	0.13
AGE: 17																						
1972-73 P-VALUE	0.24	0.47	0.28	0.15	0.04	0.40	0.08	0.24	0.00	0.68	0.00	0.00	0.10	0.21	1.87	0.00	0.91	0.00	0.33	0.81	0.00	0.03
1972-73 SE OF P-VAL	0.11	0.36	0.02	0.15	0.04	0.21	0.07	0.13	0.00	0.59	0.00	0.00	0.10	0.21	1.00	0.00	0.64	0.00	0.33	0.61	0.00	0.03
1972-73 DELTA-P		0.23	0.04	-0.09	-0.20	0.16	-0.16	0.00	-0.24*	0.44	-0.24*	-0.24*	-0.14	-0.03	1.63	-0.24*	0.67	-0.24*	0.09	0.57	-0.24*	-0.21
1972-73 SE OF DP		0.27	0.11	0.14	0.11	0.11	0.11	0.04	0.11	0.58	0.11	0.11	0.15	0.13	0.96	0.11	0.63	0.11	0.34	0.51	0.11	0.11
RESPONSE: 01* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	81.46	81.36	80.35	81.37	82.67	80.68	82.18	82.33	77.80	76.46	80.81	80.68	81.35	83.67	76.26	73.76	83.25	83.32	79.99	84.62	80.01	82.34
1972-73 SE OF P-VAL	1.08	2.37	2.16	1.75	2.43	1.66	1.47	1.14	2.35	5.18	5.25	2.38	1.75	1.51	2.37	3.27	3.22	2.66	3.26	2.40	2.43	1.87
1972-73 DELTA-P		-0.10	-1.11	-0.09	1.21	-0.78	0.72	0.87	-3.66	-5.00	-0.65	-0.78	-0.11	2.21	-5.20#	-7.70*	1.79	1.86	-1.47	3.16	-1.45	0.88
1972-73 SE OF DP		2.02	1.95	1.57	2.04	1.18	1.09	0.44	2.28	4.84	4.98	2.40	1.39	1.13	2.06	3.17	3.03	2.29	3.01	2.30	2.29	1.53
AGE: 17																						
1972-73 P-VALUE	78.81	78.42	76.93	80.07	79.41	77.50	80.13	80.68	71.32	68.81	71.45	78.40	78.76	82.06	64.90	73.41	73.97	83.76	84.42	78.97	78.81	78.26
1972-73 SE OF P-VAL	1.42	3.58	2.22	2.77	1.92	1.76	1.66	1.86	2.19	5.65	8.44	2.78	1.98	1.63	6.07	3.83	2.79	3.05	4.29	3.19	3.23	3.05
1972-73 DELTA-P		-0.39	-1.88	1.26	0.60	-1.31	1.32	1.87#	-7.49#	-10.00	-7.36	-0.41	-0.05	3.25#	-13.91#	-5.40	-4.84	4.95	5.61	0.16	0.00	-0.55
1972-73 SE OF DP		2.79	2.19	2.24	2.03	0.97	0.97	0.56	2.44	5.68	8.19	3.02	1.11	1.12	5.34	3.77	2.86	2.97	4.18	2.82	3.10	2.31

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 302013-1

72-73 Report #: 00277
69-70 Report #: 0687

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: B. Appreciate inquiry skills.

69-70 Ob[illegible] IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 02-08
69-70 Package-Exercise: 03-21

72-73 National P-val:
00277 29.54
69-70 National P-value:
00277 29.79

Timing: (in seconds)
Stimulus: 6
Response: 25
00277 Exercise total: 31

EXERCISE: 302013-1 U0277

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIP.

RESPONSE: 00 AGE: 9 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.34	0.51	0.64	0.18	0.00	0.48	0.21	0.20	0.93	0.75	0.00	0.53	0.00	0.21	0.65	0.21	0.59	0.00	0.00	0.92	0.11	0.34
1969-70 P-VALUE	0.28	0.34	0.86	0.10	0.00	0.21	0.35	0.26	0.46	0.19	0.53	0.00	0.00	0.00	0.74	0.70	0.16	0.00	0.23	0.16	0.00	0.45
CHANGE P-VALUE	0.06	0.17	-0.22	0.08	0.00	0.27	-0.14	-0.06	0.47	0.56	-0.53	0.53	0.00	0.21	-0.09	-0.49	0.43	0.00	-0.23#	0.76	0.11	-0.11
1972-73 SE OF P-VAL	0.15	0.39	0.42	0.19	0.00	0.23	0.13	0.11	0.70	0.71	0.00	0.53	0.00	0.17	0.30	0.21	0.46	0.00	0.00	0.64	0.12	0.28
1969-70 SE OF P-VAL	0.11	0.16	0.47	0.14	0.00	0.12	0.18	0.12	0.27	0.19	0.53	0.00	0.00	0.00	0.30	0.50	0.16	0.00	0.05	0.16	0.00	0.26
SE OF CHANGE P-VALUE	0.19	0.42	0.63	0.24	0.00	0.26	0.22	0.18	0.75	0.73	0.53	0.53	0.00	0.17	0.42	0.54	0.49	0.00	0.05	0.66	0.12	0.38
1972-73 DELTA-P		0.17	0.30	-0.16	-0.34*	0.14	-0.13	-0.14	0.59	0.41	-0.34*	0.19	-0.34*	-0.13	0.31	-0.13	0.25	-0.34*	-0.34*	0.58	-0.23	0.00
1969-70 DELTA-P		0.06	0.58	-0.18	-0.28#	-0.07	0.07	-0.02	0.18	-0.09	0.25	-0.23#	-0.28#	-0.28#	0.46*	0.42	-0.12	-0.28#	-0.05	-0.12	-0.28#	0.17
CHANGE DELTA-P		0.11	-0.28	0.02	-0.06	0.21	-0.20	-0.12	0.41	0.50	-0.59	0.47	-0.06	0.15	-0.15	-0.55	0.37	-0.06	-0.29	0.70	0.05	-0.17
1972-73 SE OF DP		0.31	0.34	0.20	0.15	0.10	0.10	0.11	0.62	0.68	0.15	0.53	0.15	0.12	0.16	0.24	0.41	0.15	0.15	0.54	0.19	0.23
1969-70 SE OF DP		0.16	0.38	0.14	0.11	0.11	0.11	0.04	0.25	0.21	0.52	0.11	0.11	0.11	0.20	0.46	0.18	0.11	0.12	0.18	0.11	0.18
SE OF CHANGE DELTA-P		0.35	0.51	0.24	0.19	0.15	0.15	0.12	0.67	0.71	0.54	0.54	0.19	0.16	0.26	0.52	0.45	0.19	0.19	0.57	0.22	0.29

RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	29.54	24.26	30.63	32.43	31.34	30.05	29.05	30.84	23.63	26.59	26.70	27.26	31.04	33.91	26.32	32.20	23.66	27.81	27.34	31.17	29.32	31.03
1969-70 P-VALUE	29.79	33.45	24.94	30.43	28.98	33.46	25.98	30.45	25.85	29.33	19.71	21.84	33.41	31.42	28.33	24.50	28.17	27.76	31.23	33.31	29.53	30.49
CHANGE P-VALUE	-0.25	-9.19*	5.69*	2.00	2.36	-3.41	3.07	0.39	-2.22	-2.74	6.99	5.42	-2.37	2.49	-2.01	7.70	-4.51	0.05	-3.89	-2.14	-0.21	0.54
1972-73 SE OF P-VAL	1.03	2.33	1.93	1.95	1.62	1.30	1.42	1.20	2.70	3.77	4.25	4.11	2.14	1.98	1.43	3.16	3.89	3.96	1.25	3.16	2.77	1.63
1969-70 SE OF P-VAL	1.15	3.24	1.56	2.10	1.58	1.62	1.63	1.35	2.67	2.79	4.28	3.92	2.65	1.73	2.03	3.14	2.43	2.30	3.28	4.78	2.46	1.95
SE OF CHANGE P-VALUE	1.54	3.99	2.48	2.87	2.26	2.08	2.16	1.81	3.80	4.69	6.03	5.68	3.41	2.63	2.48	4.45	4.59	4.58	3.51	5.73	3.70	2.54
1972-73 DELTA-P		-5.28#	1.09	2.89	1.80	0.51	-0.49	1.30*	-5.91*	-2.95	-2.84	-2.28	1.50	4.37*	-3.22*	2.66	-5.88	-1.73	-2.20	1.63	-0.22	1.49
1969-70 DELTA-P		3.66	-4.85#	0.64	-0.81	3.67#	-3.81#	0.66	-3.94	-0.46	-10.08*	-7.95*	3.62	1.63	-1.46	-5.29	-1.62	-2.03	1.44	3.52	-0.26	0.70
CHANGE DELTA-P		-8.94#	5.94*	2.25	2.61	-3.16*	3.32*	0.64	-1.97	-2.49	7.24	5.67	-2.12	2.74	-1.76	7.95	-4.26	0.30	-3.64	-1.89	0.04	0.79
1972-73 SE OF DP		1.85	1.72	1.71	1.57	0.91	0.88	0.55	2.54	3.77	4.05	3.70	1.60	1.81	1.30	2.99	3.71	3.54	1.51	2.83	2.64	1.62
1969-70 SE OF DP		2.56	1.70	1.74	1.60	1.14	1.19	0.46	2.64	2.84	4.10	3.77	2.19	1.67	1.58	3.08	2.52	2.36	3.25	4.19	2.30	1.49
SE OF CHANGE DELTA-P		3.16	2.42	2.44	2.24	1.46	1.48	0.72	3.66	4.72	5.76	5.28	2.71	2.46	2.05	4.29	4.48	4.25	3.59	5.06	3.50	2.20

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 302016-4

72-73 Report #: UU278

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: B. Appreciate inquiry skills.

Science Type: Unclassified

Exercise Type: Multiple choice plus short answer
Scoring Type: Machine plus professional
Administration Mode: Individual

Age:	Adult
72-73 Package-Exercise:	04-04
72-73 National P-val:	
UU278A	43.14
UU278B	81.91

Timing: No paced tape was used in this individually administered exercise.

EXERCISE: 302016-4 00278

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIB.

Part A.

RESPONSE: 00 AGE: Ad TEXT: No Response.

Response did not occur at this age.

RESPONSE: 01* AGE: NN TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	REGION SOUTH EAST	REGION CENTRAL	REGION WEST	SEX MALE	SEX FEMALE	RACE WHITE	RACE BLACK	RACE OTHER RACE	PARENTAL EDUCATION NO HS	PARENTAL EDUCATION SOME HS	PARENTAL EDUCATION GRAD HS	PARENTAL EDUCATION POST HS	PARENTAL EDUCATION UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	43.16	45.55	40.46	33.63	53.38	38.27	47.68	44.40	37.60	33.54	37.13	41.62	46.15	47.82	33.32	39.56	39.08	48.55	46.05	50.48	51.46	37.70
1972-73 SE OF P-VAL	1.74	2.84	3.81	3.40	3.05	2.13	2.23	1.87	4.23	6.77	3.34	3.31	2.38	2.98	6.00	4.19	4.02	3.65	2.95	3.06	6.38	3.04
1972-73 DELTA-P		2.41	-2.68	-9.51#	10.24#	-4.87#	4.54#	1.26	-5.54	-9.60	-6.01#	-1.52	3.01	4.68	-9.82	-3.58	-4.06	5.41	2.91	7.34*	8.32	-5.44#
1972-73 SE OF DP		2.69	3.37	2.73	2.64	1.35	1.29	0.68	3.77	6.84	2.32	2.83	2.05	2.58	5.87	4.09	4.00	3.60	3.12	3.20	5.61	2.17

EXERCISE: 302016-4 00278

Part B.

RESPONSE: 0C AGE: Ad TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.48	1.45	0.16	0.36	0.00	0.92	0.07	0.57	0.00	0.00	0.40	0.22	0.00	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26
1972-73 SE OF P-VAL	0.36	1.43	0.16	0.35	0.00	0.73	0.07	0.42	0.00	0.00	0.40	0.22	0.00	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93
1972-73 DELTA-P		0.97	-0.32	-0.12	-0.48	0.44	-0.41	0.09	-0.48	-0.48	-0.08	-0.26	-0.48	0.91	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	0.78
1972-73 SE OF DP		1.09	0.38	0.42	0.36	0.38	0.36	0.07	0.36	0.36	0.46	0.40	0.36	1.04	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.58

RESPONSE: 01* AGE: NN TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	81.91	81.70	79.42	79.25	87.00	74.39	88.93	83.98	72.55	66.69	77.31	82.25	85.02	84.85	64.23	72.82	80.76	86.62	83.33	77.99	89.12	81.26
1972-73 SE OF P-VAL	1.20	1.68	2.29	3.05	2.07	1.81	1.24	1.19	3.73	5.67	2.50	2.15	1.63	2.17	8.21	5.72	3.08	2.91	2.81	4.45	2.26	1.67
1972-73 DELTA-P		-0.21	-2.49	-2.66	5.09#	-7.52#	7.02#	2.07#	-9.36#	-15.22#	-4.60#	0.34	3.11*	2.94	-17.68*	-9.09	-1.15	4.71	1.42	-3.92	7.21#	-0.65
1972-73 SE OF DP		1.71	2.12	2.35	1.85	1.05	0.99	0.65	3.43	5.47	1.83	1.97	1.48	1.96	7.94	5.43	3.55	2.75	2.91	3.90	2.26	1.45

RESPONSE: 03 AGE: Ad TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.96	0.71	0.53	1.60	0.85	1.15	0.78	1.01	0.00	2.18	1.17	2.06	0.53	0.68	0.00	3.56	1.14	0.21	2.17	1.17	0.00	0.59
1972-73 SE OF P-VAL	0.25	0.25	0.30	0.78	0.27	0.32	0.36	0.30	0.00	1.51	0.38	1.12	0.29	0.36	0.00	2.38	0.48	0.21	1.05	0.69	0.00	0.27
1972-73 DELTA-P		-0.25	-0.43	0.64	-0.11	0.19	-0.18	0.05	-0.96#	1.22	0.21	1.10	-0.43	-0.28	-0.96#	2.60	0.18	-0.75*	1.21	0.21	-0.96#	-0.37
1972-73 SE OF DP		0.31	0.34	0.57	0.31	0.25	0.23	0.10	0.25	1.49	0.37	0.93	0.29	0.37	0.25	2.19	0.56	0.32	1.00	0.63	0.25	0.29

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

1064

1065

NAEP #: 303007-3A

72-73 Report #: 00279

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: C. Appreciate the scientific enterprise.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS	Adult
72-73 Package-Exercise:	06-19	01-23
72-73 National P-val: 00279	78.50	84.13
Timing: (in seconds)	36	41
Stimulus:	11	*
Response:	5	*
I don't know:	6	*
Pause:	58	*
00279 Exercise total:		

*Time not limited by paced tape.

EXERCISE: 303007-34 UU279

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE
RESPONSE: 00 AGE: 17 — TEXT: No Response.										
1972-73 P-VALUE	0.24	0.00	0.62	0.24	0.19	0.50	0.00	0.22	0.57	0.00
1972-73 SE OF P-VAL	0.08	0.00	0.17	0.19	0.19	0.16	0.00	0.07	0.44	0.00
1972-73 DELTA-P		-0.24#	0.38#	0.00	-0.05	0.26#	-0.24#	-0.02	0.33	-0.24#
1972-73 SE OF DP		0.08	0.15	0.15	0.16	0.09	0.08	0.05	0.39	0.08
AGE: Ad										
1972-73 P-VALUE	0.22	0.21	0.00	0.59	0.00	0.32	0.13	0.26	0.00	0.00
1972-73 SE OF P-VAL	0.13	0.20	0.00	0.42	0.00	0.24	0.10	0.15	0.00	0.00
1972-73 DELTA-P		-0.01	-0.22	0.37	-0.22	0.10	-0.09	0.04	-0.22	-0.22
1972-73 SE OF DP		0.19	0.13	0.31	0.13	0.13	0.12	0.03	0.13	0.13
RESPONSE: 04* AGE: 17 — TEXT: All Acceptable Responses.										
1972-73 P-VALUE	78.50	75.97	71.50	81.83	83.38	81.40	75.86	81.55	61.08	64.03
1972-73 SE OF P-VAL	1.43	3.29	3.19	2.27	1.60	1.48	2.20	1.61	4.36	2.92
1972-73 DELTA-P		-2.53	-7.00#	3.33	4.88#	2.90*	-2.64*	3.05#	-17.42#	-14.47#
1972-73 SE OF DP		2.58	2.75	2.06	1.81	1.36	1.16	0.70	4.08	3.03
AGE: Ad										
1972-73 P-VALUE	84.13	82.20	81.93	84.18	87.67	85.39	82.96	88.33	58.49	68.28
1972-73 SE OF P-VAL	1.14	2.61	2.09	1.66	2.60	1.37	1.79	0.95	4.20	5.57
1972-73 DELTA-P		-1.93	-2.20	0.05	3.54	1.26	-1.17	4.20#	-25.64#	-15.85#
1972-73 SE OF DP		2.19	1.97	1.57	2.12	1.18	1.08	0.63	3.94	5.17
RESPONSE: 09 AGE: 17 — TEXT: I Don't Know.										
1972-73 P-VALUE	1.95	1.88	2.50	1.09	2.62	1.87	2.02	1.55	4.47	3.38
1972-73 SE OF P-VAL	0.37	1.07	0.51	0.46	0.66	0.49	0.45	0.36	1.38	1.62
1972-73 DELTA-P		-0.07	0.55	-0.86	0.67	-0.08	0.07	-0.40*	2.52*	1.43
1972-73 SE OF DP		0.81	0.54	0.48	0.61	0.29	0.27	0.17	1.21	1.59
AGE: Ad										
1972-73 P-VALUE	3.11	3.19	2.66	2.33	4.28	2.73	3.46	1.93	11.28	5.69
1972-73 SE OF P-VAL	0.52	1.10	0.77	0.72	1.38	0.81	0.65	0.49	3.10	2.09
1972-73 DELTA-P		0.08	-0.45	-0.78	1.17	-0.38	0.35	-1.18#	8.17#	2.58
1972-73 SE OF DP		0.95	0.78	0.70	1.09	0.53	0.49	0.37	2.88	2.02

	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 17 — TEXT: No Response.												
1972-73 P-VALUE	0.00	0.56	0.16	0.26	0.28	0.00	0.21	0.34	0.00	0.00	0.00	0.53
1972-73 SE OF P-VAL	0.00	0.56	0.15	0.19	0.28	0.00	0.22	0.36	0.00	0.00	0.00	0.19
1972-73 DELTA-P	-0.24#	0.32	-0.08	0.02	0.04	-[illegible].24#	-0.03	0.10	-0.24#	-0.24#	-0.24#	0.29*
1972-73 SE OF DP	0.08	0.51	0.20	0.16	0.27	0.08	0.22	0.32	0.08	0.08	0.08	0.14
AGE: Ad												
1972-73 P-VALUE	0.36	0.63	0.09	0.00	0.00	0.47	0.54	0.00	0.00	0.00	0.24	0.26
1972-73 SE OF P-VAL	0.25	0.63	0.09	0.00	0.00	0.48	0.54	0.00	0.00	0.00	0.22	0.27
1972-73 DELTA-P	0.14	0.41	-0.13	-0.22	-0.22	0.25	0.32	-0.22	-0.22	-0.22	0.02	0.04
1972-73 SE OF DP	0.21	0.53	0.14	0.13	0.13	0.46	0.51	0.13	0.13	0.13	0.23	0.18
RESPONSE: 04* AGE: 17 — TEXT: All Acceptable Responses.												
1972-73 P-VALUE	68.76	64.88	78.37	84.99	61.85	82.33	70.94	82.49	76.23	78.49	77.40	78.43
1972-73 SE OF P-VAL	3.86	3.51	2.54	1.54	5.24	2.91	2.62	7.21	4.17	4.29	3.47	1.79
1972-73 DELTA-P	-9.74#	-13.62#	-0.13	6.49#	-16.65#	3.83	-7.56*	3.99	-2.27	-0.01	-1.10	-0.07
1972-73 SE OF DP	3.28	3.41	1.63	1.36	5.11	3.00	3.16	6.52	4.03	3.66	3.31	1.71
AGE: Ad												
1972-73 P-VALUE	78.26	81.04	86.12	93.26	58.20	79.58	69.74	93.58	77.26	88.12	84.50	85.68
1972-73 SE OF P-VAL	2.26	3.11	1.55	1.33	6.81	3.49	4.58	1.98	3.49	2.36	3.86	1.71
1972-73 DELTA-P	-5.87#	-3.09	1.99	9.13#	-25.93#	-4.55	-14.39#	9.45#	-6.87	3.99	0.37	1.55
1972-73 SE OF DP	1.78	2.67	1.24	1.55	6.70	3.23	4.46	2.04	3.45	2.20	3.55	1.27
RESPONSE: 09 AGE: 17 — TEXT: I Don't Know.												
1972-73 P-VALUE	2.99	3.54	1.73	0.89	8.06	2.16	4.41	0.81	1.68	1.55	3.13	1.65
1972-73 SE OF P-VAL	1.30	1.08	0.47	0.34	2.62	0.94	1.44	0.79	1.03	1.20	1.18	0.49
1972-73 DELTA-P	1.04	1.59	-0.22	-1.06#	6.11*	0.21	2.46	-1.14	-0.27	-0.40	1.18	-0.30
1972-73 SE OF DP	[illegible].11	1.07	0.34	0.29	2.45	0.96	1.27	0.77	1.03	0.97	1.12	0.50
AGE: Ad												
1972-73 P-VALUE	5.58	2.56	1.16	1.89	13.70	5.14	7.11	1.43	3.57	0.49	5.37	2.28
1972-73 SE OF P-VAL	1.59	0.95	0.42	0.87	5.71	1.80	2.28	0.53	2.11	0.48	2.55	0.53
1972-73 DELTA-P	2.47*	-0.55	-1.95#	-1.22	10.59	2.03	4.00	-1.68#	0.46	-2.62#	2.26	-0.83
1972-73 SE OF DP	1.22	1.07	0.48	0.81	5.63	1.75	2.06	0.67	1.91	0.67	2.28	0.59

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 303013-234

72-73 Report #: 00281

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: C. Appreciate the scientific enterprise.

Science Type: Unclassified

Exercise Type: Multiple part multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	13	17IS	Adult
72-73 Package-Exercise:	05-07	09-07	07-03
72-73 National P-val:			
00281A1	27.62	25.99	14.61
00281A2	77.04	90.64	85.27
00281B1	82.95	87.44	71.23
00281B2	88.26	89.47	73.98
00281C1	80.10	83.24	89.66
00281C2	94.84	96.92	95.86
00281D1	70.27	78.33	74.08
00281D2	87.70	93.11	85.31
00281E1	78.88	83.68	83.62
00281E2	89.06	92.94	90.24
00281F1	77.21	88.04	86.41
00281F2	81.52	90.36	86.38
00281G1	92.51	94.72	92.97
00281G2	96.57	97.75	94.50
00281H1	43.25	47.78	35.26
00281H2	34.81	25.98	31.66
00281I1	75.08	86.44	88.99
00281I2	87.44	93.71	91.12
00281J1	84.66	89.84	87.03
00281J2	88.51	88.22	86.33
00281K1	66.24	66.33	66.28
00281K2	84.10	87.17	87.35
00281L1	91.12	95.70	94.23
00281L2	95.29	97.42	96.04
00281M1	90.95	93.34	94.94
00281M2	97.76	98.76	98.86
00281N1	95.01	98.67	97.17
00281N2	91.80	95.09	94.29

00281G2	Part total:	7	8	*
	Stimulus:	10	9	4
	Response:	4	6	*
	I don't know:	1	1	*
	Pause:	4	3	*
00281H1	Part total:	19	19	*
	Stimulus:	3	3	*
	Response:	5	6	*
	Turn page:	(6)	(6)	(5)
00281H2	Part total:	8**	9**	*
	Stimulus:	10	8	4
	Response:	3	6	*
	I don't know:	1	1	*
	Pause:	4	4	*
00281I1	Part total:	18	19	*
	Stimulus:	3	3	*
	Response:	4	5	*
00281I2	Part total:	7	8	*
	Stimulus:	12	11	5
	Response:	4	6	*
	I don't know:	1	1	*
	Pause:	4	4	*
00281J1	Part total:	21	22	*
	Stimulus:	3	3	*
	Response:	5	6	*
00281J2	Part total:	8	9	*
	Stimulus:	9	10	4
	Response:	4	6	*
	I don't know:	1	1	*
	Pause:	4	3	*
00281K1	Part total:	18	20	*
	Stimulus:	3	3	*
	Response:	4	6	*
	Turn page:	(6)	(6)	(6)
00281K2	Part total:	7**	9**	*
	Stimulus:	9	9	3
	Response:	4	5	*
	I don't know:	1	1	*
	Pause:	4	3	*
00281L1	Part total:	18	18	*
	Stimulus:	3	3	*
	Response:	4	6	*
00281L2	Part total:	7	9	*
	Stimulus:	8	8	3
	Response:	4	6	*
	I don't know:	1	1	*
	Pause:	4	4	*
00281M1	Part total:	17	19	*
	Stimulus:	3	3	*
	Response:	4	6	*
00281M2	Part total:	7	9	*
	Stimulus:	9	9	4
	Response:	4	6	*
	I don't know:	1	1	*
	Pause:	4	4	*
00281N1	Part total:	18	20	*
	Stimulus:	3	3	*
	Response:	5	6	*
00281N2	Part total:	8	9	*

Timing: (in seconds)

UU281	Introduction:	23	21	23
	Stimulus:	9	9	12
	Response:	4	5	*
	I don't know:	5	5	*
	Pause:	5	5	*
	Part total:	23	24	*
UU281A1	Stimulus:	3	3	3
	Response:	5	6	*
	Part total:	8	9	*
UU281A2	Stimulus:	11	10	5
	Response:	4	6	*
	I don't know:	1	1	*
	Pause:	4	4	*
	Part total:	20	21	*
UU281B1	Stimulus:	3	3	*
	Response:	5	5	*
	Turn page:	(6)	(5)	(5)
	Part total:	8**	8**	*
UU281B2	Stimulus:	7	7	2
	Response:	4	5	*
	I don't know:	1	1	*
	Pause:	4	3	*
	Part total:	16	16	*
UU281C1	Stimulus:	3	3	*
	Response:	5	6	*
	Part total:	8	9	*
UU281C2	Stimulus:	9	8	3
	Response:	4	5	*
	I don't know:	1	1	*
	Pause:	4	4	*
	Part total:	18	18	*
UU281D1	Stimulus:	3	3	*
	Response:	4	6	*
	Part total:	7	9	*
UU281D2	Stimulus:	10	10	5
	Response:	4	5	*
	I don't know:	1	1	*
	Pause:	4	3	*
	Part total:	19	19	*
UU281E1	Stimulus:	3	3	*
	Response:	4	5	*
	Turn page:	(6)	(5)	(6)
	Part total:	7	8	*
UU281E2	Stimulus:	7	7	2
	Response:	4	6	*
	I don't know:	1	1	*
	Pause:	4	3	*
	Part total:	16	17	*
UU281F1	Stimulus:	3	3	*
	Response:	5	6	*
	Part total:	8	9	*
UU281F2	Stimulus:	13	12	7
	Response:	4	5	*
	I don't know:	1	1	*
	Pause:	4	3	*
	Part total:	22	21	*
UU281G1	Stimulus:	3	3	*
	Response:	4	5	*

UU281	Exercise total:	391	416	*

*Time not limited by paced tape.

**Time to turn page is not included in total times.

EXERCISE: 303013-234 U0281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part A1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.50	0.41	1.19	0.22	0.33	0.40	0.60	0.25	2.37	0.00	2.02	0.90	0.57	0.16	0.48	1.05	1.29	0.00	0.24	0.16	0.16	0.73
1972-73 SE OF P-VAL	0.23	0.20	0.98	0.17	0.23	0.17	0.44	0.11	1.53	0.00	1.92	0.77	0.25	0.12	0.28	0.91	0.70	0.00	0.23	0.16	0.16	0.45
1972-73 DELTA-P		-0.09	0.69	-0.28	-0.17	-0.10	0.10	-0.25	1.87	-0.50*	1.52	0.40	0.07	-0.34	-0.02	0.55	0.79	-0.50*	-0.26	-0.34	-0.34	0.23
1972-73 SE OF DP		0.28	0.77	0.26	0.29	0.24	0.24	0.18	1.32	0.23	1.71	0.56	0.20	0.24	0.33	0.70	0.68	0.23	0.30	0.27	0.27	0.25
AGE: 17																						
1972-73 P-VALUE	0.53	0.41	0.70	0.73	0.28	0.61	0.46	0.14	2.35	1.98	2.87	0.84	0.54	0.10	0.50	0.72	1.36	0.40	1.96	0.00	0.23	0.26
1972-73 SE OF P-VAL	0.17	0.29	0.31	0.44	0.19	0.26	0.22	0.10	0.82	1.10	1.50	0.63	0.36	0.07	0.50	0.51	0.85	0.41	1.15	0.00	0.21	0.19
1972-73 DELTA-P		-0.12	0.17	0.20	-0.25	0.08	-0.07	-0.39#	1.82#	1.45	2.34	0.31	0.01	-0.43#	-0.03	0.19	0.83	-0.13	1.43	-0.53#	-0.30	-0.27
1972-73 SE OF DP		0.26	0.29	0.33	0.22	0.17	0.16	0.15	0.70	1.05	1.40	0.59	0.29	0.17	0.51	0.51	0.79	0.38	1.04	0.17	0.27	0.21
AGE: A4																						
1972-73 P-VALUE	0.13	0.12	0.18	0.00	0.23	0.07	0.18	0.07	0.31	0.67	0.41	0.00	0.08	0.00	0.00	0.33	0.35	0.00	0.00	0.00	0.00	0.19
1972-73 SE OF P-VAL	0.05	0.13	0.19	0.00	0.04	0.08	0.11	0.06	0.30	0.66	0.24	0.00	0.09	0.00	0.00	0.33	0.35	0.00	0.00	0.00	0.00	0.14
1972-73 DELTA-P		-0.01	0.05	-0.13#	0.10	-0.06	0.05	-0.06	0.18	0.54	0.28	-0.13#	-0.05	-0.13#	-0.13#	0.20	0.22	-0.13#	-0.13#	-0.13#	-0.13#	0.06
1972-73 SE OF DP		0.10	0.16	0.05	0.06	0.08	0.08	0.05	0.28	0.66	0.19	0.05	0.11	0.05	0.05	0.34	0.33	0.05	0.05	0.05	0.05	0.11
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	27.62	23.17	26.42	29.36	30.69	29.49	25.74	27.40	27.46	31.12	30.37	29.71	30.10	24.78	27.95	27.14	23.72	22.90	28.37	33.19	27.54	27.32
1972-73 SE OF P-VAL	1.15	2.21	2.50	1.99	2.30	1.51	1.48	1.33	2.92	3.20	3.02	3.53	1.84	1.81	2.52	2.34	3.23	2.98	2.70	3.04	2.62	2.26
1972-73 DELTA-P		-4.45*	-1.20	1.74	3.07	1.87	-1.88	-0.22	-0.16	3.50	2.75	2.09	2.48*	-2.84*	0.33	-0.48	-3.90	-4.72	0.75	5.57*	-0.08	-0.30
1972-73 SE OF DP		1.95	2.20	1.69	1.97	0.98	0.97	0.88	2.80	3.24	3.17	3.16	1.24	1.34	2.53	2.20	3.26	2.70	2.56	2.70	2.57	1.87
AGE: 17																						
1972-73 P-VALUE	25.99	22.76	26.01	27.72	27.42	25.01	26.89	24.56	33.26	30.07	30.76	24.87	27.81	24.49	25.26	23.65	32.27	26.95	27.20	27.65	24.88	23.57
1972-73 SE OF P-VAL	1.11	1.66	2.59	2.52	1.98	1.69	1.65	1.26	3.08	5.27	4.26	3.91	1.98	1.47	3.94	3.30	4.22	3.75	2.28	2.93	2.98	2.12
1972-73 DELTA-P		-3.23*	0.02	1.73	1.43	-0.98	0.90	-1.43*	7.27#	4.08	4.77	-1.12	1.82	-1.50	-0.73	-2.34	6.28	0.96	1.21	1.66	-1.11	-2.42
1972-73 SE OF DP		1.59	2.26	1.98	1.82	1.30	1.20	0.58	2.88	5.26	4.36	3.53	1.49	1.00	4.08	3.27	3.98	3.52	2.31	2.67	2.83	1.73
AGE: A4																						
1972-73 P-VALUE	14.61	13.56	15.51	11.27	18.40	15.13	14.13	14.09	15.80	20.34	17.66	15.17	12.55	12.91	21.15	15.56	15.99	18.07	10.93	15.44	15.79	13.14
1972-73 SE OF P-VAL	1.04	1.58	1.88	1.49	2.93	1.73	1.09	0.99	3.30	4.47	1.59	2.34	1.61	1.75	7.54	2.62	2.93	3.85	3.58	2.97	2.85	1.42
1972-73 DELTA-P		-1.05	0.90	-3.34*	3.79	0.52	-0.48	-0.52	1.19	5.73	3.05#	0.56	-2.06	-1.70	6.54	0.95	1.38	3.46	-3.68	0.83	1.18	-1.47
1972-73 SE OF DP		1.53	1.78	1.49	2.23	1.02	0.95	0.37	2.79	4.36	1.16	2.03	1.40	1.36	7.38	2.61	2.73	3.43	3.60	2.86	2.49	1.14
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.17	6.98	8.10	8.40	9.05	7.88	8.46	7.49	10.77	12.26	12.66	12.35	6.09	6.08	14.91	6.46	10.01	8.29	11.01	10.48	5.72	6.91
1972-73 SE OF P-VAL	0.72	1.75	1.50	1.08	1.48	0.85	1.13	0.82	2.18	3.19	2.80	2.54	0.93	0.84	2.25	2.09	1.80	2.10	2.15	2.17	1.56	1.11
1972-73 DELTA-P		-1.19	-0.07	0.23	0.88	-0.29	0.29	-0.68	2.60	4.09	4.49	4.18	-2.08#	-2.09#	6.74#	-1.71	1.84	0.12	2.84	2.31	-2.45	-1.26
1972-73 SE OF DP		1.46	1.34	0.99	1.28	0.70	0.70	0.38	2.13	3.12	2.59	2.29	0.83	0.62	2.01	1.91	1.87	1.95	2.05	1.88	1.46	0.93
AGE: 17																						
1972-73 P-VALUE	4.46	4.29	4.58	3.25	6.02	3.17	5.63	3.97	6.02	7.90	6.42	7.64	3.30	3.26	14.58	5.52	4.46	2.23	6.72	7.21	3.25	3.75
1972-73 SE OF P-VAL	0.49	0.69	1.38	0.85	1.02	0.63	0.62	0.50	1.72	2.78	2.32	2.07	0.87	0.52	4.19	2.31	1.51	0.80	2.11	1.30	0.93	0.70
1972-73 DELTA-P		-0.17	0.12	-1.21	1.56	-1.29#	1.17#	-0.49	1.56	3.44	1.96	3.18	-1.16	-1.20*	10.12#	1.06	0.00	-2.23#	2.26	2.75*	-1.21	-0.71
1972-73 SE OF DP		0.68	1.16	0.73	0.89	0.41	0.39	0.31	1.54	2.74	2.30	1.89	0.74	0.56	3.99	2.17	1.43	0.84	1.92	1.20	0.93	0.63
AGE: A4																						
1972-73 P-VALUE	10.00	9.93	14.07	9.93	6.93	7.29	12.52	8.99	12.83	20.18	13.95	8.97	9.73	4.95	29.51	11.30	19.61	6.79	6.95	7.39	9.93	10.07
1972-73 SE OF P-VAL	0.77	1.53	1.39	1.75	1.32	1.15	1.14	0.76	1.74	5.69	1.44	1.74	1.66	1.14	10.17	2.35	3.72	1.55	2.42	2.60	1.97	1.00
1972-73 DELTA-P		-0.07	4.07#	-0.07	-3.07#	-2.71#	2.52#	-1.01*	2.83	10.18	3.95#	-1.03	-0.27	-5.05#	19.51	1.30	9.61#	-3.21*	-3.05	-2.61	-0.07	0.07
1972-73 SE OF DP		1.32	1.32	1.40	1.19	0.91	0.80	0.42	1.68	5.37	1.31	1.62	1.38	1.26	9.91	2.25	3.42	1.60	2.18	2.27	1.94	0.88

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 00201

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part A2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	3.36	3.55	2.85	3.21	3.80	3.93	2.79	2.77	5.37	7.51	2.94	5.44	2.05	2.43	8.17	2.56	5.25	4.63	4.87	4.02	2.82	1.92
1972-73 SE OF P-VAL	0.37	0.79	0.80	0.61	0.82	0.53	0.49	0.40	1.15	1.72	1.45	1.42	0.54	0.47	1.26	0.81	1.44	1.09	1.69	1.22	0.92	0.47
1972-73 DELTA-P		0.19	-0.51	-0.15	0.44	0.57	-0.57	-0.59#	2.01	4.15#	-0.42	2.08	-1.31#	-0.93#	4.81#	-0.80	1.89	1.27	1.51	0.66	-0.54	-1.44#
1972-73 SE OF DP		0.69	0.71	0.54	0.70	0.35	0.35	0.20	1.11	1.66	1.46	1.36	0.48	0.34	1.10	0.78	1.44	1.01	1.53	1.18	0.83	0.43
AGE: 17																						
1972-73 P-VALUE	1.92	2.43	2.58	0.81	2.12	1.21	2.57	1.93	1.32	3.16	3.73	2.19	1.75	1.11	8.35	1.77	2.45	0.37	2.98	4.35	0.40	1.64
1972-73 SE OF P-VAL	0.33	0.58	1.02	0.38	0.59	0.37	0.44	0.41	0.65	1.50	1.54	0.87	0.53	0.38	3.41	0.97	0.89	0.36	1.22	1.43	0.27	0.54
1972-73 DELTA-P		0.51	0.66	-1.11#	0.20	-0.71#	0.65#	0.01	-0.60	1.24	1.81	0.27	-0.17	-0.81#	6.43	-0.15	0.53	-1.55#	1.06	2.43	-1.52#	-0.28
1972-73 SE OF DP		0.51	0.83	0.41	0.54	0.25	0.23	0.16	0.70	1.54	1.49	0.90	0.52	0.29	3.22	0.98	0.84	0.46	1.17	1.23	0.41	0.49
AGE: Ad																						
1972-73 P-VALUE	7.33	8.27	9.08	7.70	4.66	5.10	9.40	6.65	8.88	14.85	9.47	6.43	6.83	4.26	27.46	7.79	14.60	6.53	4.19	7.15	7.12	6.62
1972-73 SE OF P-VAL	0.75	1.61	1.46	1.59	1.13	1.05	1.11	0.72	2.34	5.32	1.32	1.78	1.67	0.95	10.29	2.55	3.74	1.83	1.40	2.57	2.00	1.07
1972-73 DELTA-P		0.94	1.75	0.37	-2.67*	-2.23#	2.07#	-0.68	1.55	7.52	2.14	-0.90	-0.50	-3.07#	20.13	0.46	7.27*	-0.80	-3.14*	-0.18	-0.21	-0.71
1972-73 SE OF DP		1.35	1.33	1.30	1.07	0.84	0.74	0.41	2.19	5.01	1.20	1.65	1.36	1.06	10.12	2.46	3.41	1.71	1.38	2.34	1.97	0.94
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	77.04	78.69	76.53	76.59	76.48	76.01	78.07	81.15	56.12	63.21	68.96	70.13	78.69	83.28	61.77	79.55	57.77	83.07	74.00	79.96	76.85	78.47
1972-73 SE OF P-VAL	1.23	3.35	2.09	2.11	2.17	1.08	1.08	1.12	3.35	3.01	4.66	3.55	1.75	1.43	2.91	2.53	3.66	3.25	3.22	1.69	2.74	1.99
1972-73 DELTA-P		1.65	-0.51	-0.45	-0.56	-1.03	1.03	4.11#	-20.92#	-13.83#	-8.08	-6.91	1.65	6.24#	-15.27#	2.51	-19.27#	6.03*	-3.04	2.92	-0.19	1.43
1972-73 SE OF DP		2.73	2.00	1.82	1.96	0.79	0.79	0.60	3.02	3.17	4.36	3.51	1.37	1.21	2.41	2.42	3.81	2.97	2.90	1.68	2.48	1.52
AGE: 17																						
1972-73 P-VALUE	90.64	92.34	86.93	92.13	89.89	91.00	90.32	92.32	81.40	87.38	84.34	82.03	92.06	93.38	82.21	91.35	83.67	94.21	88.43	90.91	93.27	90.45
1972-73 SE OF P-VAL	0.68	1.19	1.49	1.52	1.14	1.02	1.01	0.82	2.23	3.28	3.07	2.28	1.19	0.86	3.94	2.04	3.76	1.63	2.24	1.81	1.67	1.17
1972-73 DELTA-P		1.70	-3.71*	1.49	-0.75	0.36	-0.32	1.68#	-9.24#	-3.26	-6.30*	-8.61#	1.42	2.74#	-8.43*	0.71	-6.97*	3.57*	-2.21	0.27	2.63	-0.19
1972-73 SE OF DP		1.07	1.33	1.19	1.07	0.78	0.72	0.55	2.16	3.31	2.99	2.13	0.94	0.66	3.92	2.00	3.47	1.66	2.21	1.66	1.64	1.06
AGE: Ad																						
1972-73 P-VALUE	85.27	84.87	82.59	85.76	87.26	87.60	83.10	87.06	77.32	72.88	80.76	83.03	86.55	92.73	55.59	83.78	71.92	90.05	89.91	86.77	84.72	85.71
1972-73 SE OF P-VAL	1.09	1.85	1.36	2.92	1.96	1.39	1.69	1.14	3.62	6.13	1.64	2.49	2.03	1.42	9.38	2.27	3.99	1.62	3.33	2.09	3.39	2.03
1972-73 DELTA-P		-0.40	-2.68	0.49	1.99	2.33	-2.17*	1.79#	-7.95*	-12.39*	-4.51#	-2.24	1.28	7.46#	-29.68#	-1.49	-13.35#	4.78#	4.64	1.50	-0.55	0.44
1972-73 SE OF DP		1.70	1.51	2.25	1.75	1.18	1.05	0.53	3.45	5.83	1.53	2.12	1.56	1.49	8.99	2.43	3.74	1.67	3.05	1.98	3.22	1.47

EXERCISE: 303013-234 00201

Part B1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.80	0.78	1.98	0.45	0.23	0.99	0.61	0.51	3.13	0.00	2.75	2.08	0.51	0.28	1.41	1.43	1.88	0.00	0.69	0.31	1.07	0.81
1972-73 SE OF P-VAL	0.23	0.35	0.86	0.28	0.24	0.28	0.38	0.17	1.59	0.00	1.95	1.01	0.26	0.16	0.56	0.61	0.84	0.00	0.51	0.23	0.53	0.47
1972-73 DELTA-P		-0.02	1.18	-0.35	-0.57*	0.19	-0.19	-0.29	2.33	-0.80#	1.95	1.28	-0.29	-0.52*	0.61	0.63	1.08	-0.80#	-0.11	-0.49	0.27	0.01
1972-73 SE OF DP		0.35	0.68	0.29	0.28	0.24	0.24	0.28	1.42	0.23	1.77	0.87	0.29	0.22	0.55	0.47	0.81	0.23	0.48	0.27	0.52	0.32
AGE: 17																						
1972-73 P-VALUE	0.38	0.18	0.62	0.56	0.16	0.20	0.54	0.11	1.56	1.50	2.40	0.37	0.37	0.06	0.50	0.27	0.40	0.00	2.38	0.00	0.23	0.26
1972-73 SE OF P-VAL	0.14	0.18	0.33	0.36	0.16	0.13	0.24	0.08	0.76	1.00	1.45	0.37	0.24	0.07	0.50	0.28	0.38	0.00	1.12	0.00	0.21	0.19
1972-73 DELTA-P		-0.20	0.24	0.18	-0.22	-0.18	0.16	-0.27*	1.18	1.12	2.02	-0.01	-0.01	-0.32*	0.12	-0.11	0.02	-0.38#	2.00	-0.38#	-0.15	-0.12
1972-73 SE OF DP		0.19	0.29	0.27	0.18	0.14	0.13	0.12	0.66	0.95	1.35	0.36	0.21	0.14	0.50	0.30	0.37	0.14	1.02	0.14	0.23	0.18
AGE: Ad																						
1972-73 P-VALUE	0.34	0.38	1.04	0.00	0.10	0.42	0.26	0.21	1.29	0.52	0.96	0.59	0.00	0.00	0.00	0.49	1.79	0.47	0.00	0.34	0.00	0.10
1972-73 SE OF P-VAL	0.10	0.22	0.36	0.00	0.11	0.26	0.14	0.10	1.02	0.49	0.30	0.45	0.00	0.00	0.00	0.46	1.19	0.47	0.00	0.35	0.00	0.10
1972-73 DELTA-P		0.04	0.70*	-0.34#	-0.24*	0.08	-0.08	-0.13	0.95	0.18	0.62*	0.25	-0.34#	-0.34#	-0.34#	0.15	1.45	0.13	-0.34#	0.00	-0.34#	-0.24*
1972-73 SE OF DP		0.18	0.29	0.10	0.12	0.19	0.18	0.12	0.96	0.47	0.25	0.40	0.10	0.10	0.10	0.45	1.13	0.43	0.10	0.42	0.10	0.12

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 UU281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part B1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	82.95	85.36	79.52	85.36	80.76	83.28	82.62	85.97	70.90	65.60	69.25	77.12	82.43	90.51	70.49	82.29	71.73	91.38	80.46	79.80	84.97	84.65
1972-73 SE OF P-VAL	1.03	2.37	2.74	1.68	1.57	1.46	1.43	1.01	2.90	4.96	4.76	3.26	1.49	1.20	2.92	3.75	4.62	1.86	3.94	2.53	1.68	1.78
1972-73 DELTA-P		2.41	-3.43	2.41	-2.19	0.33	-0.33	3.02#	-12.05#	-17.35#	-13.70#	-5.83	-0.52	7.56#	-12.46#	-0.66	-11.22*	8.43#	-2.49	-3.15	2.02	1.70
1972-73 SE OF DP		2.00	2.32	1.49	1.52	1.01	1.01	0.57	2.54	4.86	4.31	3.13	1.17	1.17	2.66	3.46	4.51	1.54	3.68	2.45	1.72	1.42
AGE: 17																						
1972-73 P-VALUE	87.44	88.27	85.35	89.41	85.98	87.51	87.37	88.83	82.84	77.98	80.98	83.12	86.39	90.59	80.55	88.35	83.56	90.42	84.15	84.30	91.01	88.08
1972-73 SE OF P-VAL	1.01	2.80	1.32	1.59	1.82	1.09	1.61	1.14	2.26	4.09	3.28	3.01	1.68	1.17	5.01	2.96	2.85	2.38	2.70	3.11	2.55	1.85
1972-73 DELTA-P		0.83	-2.09	1.97	-1.46	0.07	-0.07	1.39#	-4.60*	-9.46*	-6.46	-4.32	-1.05	3.15#	-6.89	0.91	-3.88	2.98	-3.29	-3.14	3.57	0.64
1972-73 SE OF DP		2.17	1.43	1.44	1.66	1.00	0.91	0.46	2.11	4.21	3.42	2.72	1.19	0.71	4.91	3.11	2.67	2.31	2.62	2.68	2.44	1.48
AGE: Ad																						
1972-73 P-VALUE	71.23	72.10	64.36	73.84	73.09	70.08	72.29	74.53	44.92	70.44	62.67	67.03	72.87	81.32	63.95	66.32	61.36	77.80	70.60	69.31	74.09	72.12
1972-73 SE OF P-VAL	1.31	2.41	3.52	2.58	2.32	1.89	1.46	1.39	4.49	5.55	2.63	2.88	2.10	2.03	7.56	2.78	3.91	3.67	5.38	3.71	3.64	2.23
1972-73 DELTA-P		0.87	-6.87*	2.61	1.86	-1.15	1.06	3.30#	-26.31#	-0.79	-8.56#	-4.20	1.64	10.09#	-7.28	-4.91	-9.87#	6.57	-0.63	-1.92	2.86	0.89
1972-73 SE OF DP		2.15	3.04	2.18	2.06	1.08	1.02	0.65	4.35	5.46	1.99	2.66	1.64	1.98	7.52	2.56	3.92	3.40	5.02	3.47	3.70	1.73
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	3.24	3.50	3.74	2.66	3.26	2.98	3.50	2.53	5.62	8.28	2.94	5.74	3.24	1.42	7.39	2.29	4.50	3.44	5.94	4.03	1.18	2.54
1972-73 SE OF P-VAL	0.42	0.98	1.06	0.65	0.73	0.54	0.63	0.39	1.24	2.82	1.25	2.13	0.75	0.42	1.46	1.00	2.09	0.90	2.16	1.31	0.55	0.72
1972-73 DELTA-P		0.26	0.50	-0.58	0.02	-0.26	0.26	-0.71#	2.38*	5.04	-0.30	2.50	0.00	-1.82#	4.15#	-0.95	1.26	0.20	2.70	0.79	-2.06#	-0.70
1972-73 SE OF DP		0.83	0.90	0.59	0.66	0.42	0.41	0.24	1.09	2.69	1.24	2.01	0.64	0.37	1.32	1.06	1.96	0.93	1.96	0.93	0.62	0.67
AGE: 17																						
1972-73 P-VALUE	5.41	6.97	5.51	3.37	6.07	5.12	5.67	4.91	8.02	6.64	4.91	7.63	5.39	4.83	7.62	3.68	7.56	4.21	7.43	9.13	4.49	3.79
1972-73 SE OF P-VAL	0.63	1.65	0.93	0.88	1.41	0.74	0.99	0.65	1.78	2.26	1.37	1.75	1.00	0.82	2.86	1.38	2.27	1.46	2.47	1.73	1.69	0.83
1972-73 DELTA-P		1.56	0.10	-2.04*	0.66	-0.29	0.26	-0.50	2.61	1.23	-0.50	2.22	-0.02	-0.58	2.21	-1.73	2.15	-1.20	2.02	3.72#	-0.92	-1.62
1972-73 SE OF DP		1.31	0.95	0.86	1.20	0.63	0.56	0.31	1.61	2.08	1.45	1.45	0.80	0.48	2.90	1.45	2.09	1.34	2.30	1.47	1.51	0.81
AGE: Ad																						
1972-73 P-VALUE	9.18	9.71	7.91	8.13	10.78	8.42	9.89	7.87	17.39	13.73	10.07	6.95	10.78	7.23	14.29	3.49	9.23	12.67	15.78	13.82	7.84	6.64
1972-73 SE OF P-VAL	0.87	1.00	1.35	1.75	2.30	1.41	1.10	0.93	3.24	4.13	1.64	1.63	1.81	1.74	4.83	1.92	2.21	3.60	3.93	3.06	1.84	0.97
1972-73 DELTA-P		0.53	-1.27	-1.05	1.60	-0.76	0.71	-1.31#	8.21#	4.55	0.89	-2.22	1.60	-1.95	5.11	-5.69#	0.05	3.49	6.60	4.64	-1.34	-2.54*
1972-73 SE OF DP		1.12	1.38	1.44	1.80	0.94	0.87	0.50	3.10	4.06	1.14	1.54	1.49	1.59	4.68	2.01	2.22	3.26	3.67	2.59	1.96	1.02

EXERCISE: 303013-234 UU281

Part B2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	2.08	2.59	2.04	1.36	2.51	2.15	2.01	1.50	4.26	5.65	0.59	1.70	2.52	0.85	5.76	1.11	3.24	2.60	4.25	2.37	0.93	1.38
1972-73 SE OF P-VAL	0.35	0.99	0.70	0.46	0.65	0.46	0.40	0.29	0.92	2.15	0.42	0.99	0.58	0.27	1.49	0.55	1.43	0.76	1.59	0.88	0.41	0.46
1972-73 DELTA-P		0.51	-0.04	-0.72	0.43	0.07	-0.07	-0.58#	2.18#	3.57	-1.49#	-0.38	0.44	-1.23#	3.68#	-0.97	1.16	0.52	2.17	0.29	-1.15*	-0.70
1972-73 SE OF DP		0.80	0.63	0.45	0.58	0.25	0.25	0.17	0.80	1.98	0.53	0.95	0.47	0.30	1.28	0.66	1.31	0.74	1.35	0.76	0.49	0.46
AGE: 17																						
1972-73 P-VALUE	2.18	2.77	2.33	2.06	1.54	2.17	2.19	2.00	3.38	2.07	2.25	1.97	2.90	1.66	3.64	1.11	4.89	1.77	3.93	2.93	0.87	1.47
1972-73 SE OF P-VAL	0.33	0.70	0.72	0.62	0.60	0.46	0.52	0.36	1.29	1.16	1.05	0.86	0.78	0.38	1.72	0.83	1.86	0.78	1.27	0.65	0.48	0.46
1972-73 DELTA-P		0.59	0.15	-0.12	-0.64	-0.01	0.01	-0.18	1.20	-0.11	0.07	-0.21	0.72	-0.52	1.46	-1.07	2.71	-0.41	1.75	0.75	-1.31*	-0.71
1972-73 SE OF DP		0.59	0.64	0.52	0.54	0.39	0.35	0.22	1.17	1.14	1.05	0.84	0.60	0.29	1.71	0.83	1.71	0.73	1.24	0.75	0.54	0.44
AGE: Ad																						
1972-73 P-VALUE	7.07	8.14	5.32	7.00	7.51	6.71	7.40	6.37	13.27	6.01	7.08	5.83	9.83	4.36	9.24	1.38	7.40	10.48	13.64	10.03	5.53	5.04
1972-73 SE OF P-VAL	0.77	1.32	1.33	1.66	1.70	1.29	0.99	0.77	3.38	2.13	1.50	1.52	1.77	1.40	3.90	1.28	2.30	3.52	4.44	2.14	1.88	0.80
1972-73 DELTA-P		1.07	-1.75	-0.07	0.44	-0.36	0.33	-0.70	6.20*	-1.06	0.01	-1.24	2.76	-2.71	2.17	-5.69#	0.33	3.41	6.57	2.96	-1.54	-2.03*
1972-73 SE OF DP		1.21	1.28	1.35	1.41	0.88	0.82	0.43	3.03	2.25	1.30	1.36	1.41	1.42	3.78	1.46	2.19	3.19	4.20	1.87	1.84	0.90

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234   00281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part B2.

RESPONSE: 02*   AGE: 13   TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	88.26	90.08	85.27	87.52	90.03	87.48	89.05	89.77	80.40	83.56	82.42	87.80	88.33	91.76	80.04	87.84	81.94	91.54	88.72	89.49	89.69	87.26
1972-73 SE OF P-VAL	0.78	1.41	2.11	1.42	1.29	1.13	0.94	0.85	1.86	3.28	4.00	1.66	1.60	0.96	2.22	3.81	3.13	1.17	2.71	1.74	1.59	1.66
1972-73 DELTA-P		1.82	-2.99	-0.74	1.77	-0.78	0.79	1.51#	-7.86#	-4.70	-5.84	-0.46	0.07	3.50#	-8.22#	-0.42	-6.32*	3.28#	0.46	1.23	1.43	-1.00
1972-73 SE OF DP		1.28	1.80	1.18	1.20	0.69	0.69	0.33	1.67	3.30	3.65	1.45	1.37	0.87	2.11	3.50	3.14	1.24	2.61	1.70	1.61	1.37

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	89.47	91.54	86.71	88.70	90.58	89.66	89.30	89.90	86.54	89.94	85.38	86.12	88.22	91.90	85.58	93.21	88.50	95.52	87.14	87.24	92.34	86.74
1972-73 SE OF P-VAL	0.81	1.66	1.69	1.33	1.68	0.81	1.23	0.82	2.54	4.15	2.52	2.15	1.83	0.96	3.91	1.64	3.19	1.46	2.15	2.67	1.46	1.44
1972-73 DELTA-P		2.07	-2.76	-0.77	1.11	0.19	-0.17	0.43	-2.93	0.47	-4.09	-3.35	-1.25	2.43#	-3.89	3.74*	-0.97	6.05#	-2.33	-2.23	2.87	-2.73*
1972-73 SE OF DP		1.39	1.49	1.18	1.46	0.70	0.64	0.45	2.33	3.89	2.34	2.26	1.39	0.72	3.83	1.76	2.95	1.47	2.02	2.30	1.51	1.24

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	73.98	77.18	68.78	76.07	72.83	73.17	74.74	75.43	58.99	80.16	64.34	69.90	74.47	85.62	74.90	75.76	76.46	80.38	66.67	69.41	78.14	72.63
1972-73 SE OF P-VAL	1.15	2.29	3.14	2.39	1.76	1.81	1.57	1.20	4.36	3.23	2.76	2.73	1.95	1.82	5.88	2.74	3.79	3.95	5.41	2.83	2.30	1.94
1972-73 DELTA-P		3.20	-5.20	2.09	-1.15	-0.81	0.76	1.45#	-14.99#	6.18	-9.64#	-4.08	0.49	11.64#	0.92	1.78	2.48	6.40	-7.31	-4.57	4.16	-1.35
1972-73 SE OF DP		2.01	2.69	1.99	1.68	1.28	1.19	0.56	3.99	3.37	2.29	2.51	1.58	1.77	5.75	2.62	3.52	3.71	5.12	2.87	2.50	1.52

EXERCISE: 303013-234   00281

Part C1.

RESPONSE: 00   AGE: 13   TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.79	1.04	1.81	0.00	0.63	0.84	0.74	0.62	2.15	0.29	2.41	1.40	0.51	0.37	1.64	1.62	0.52	0.47	0.46	1.04	0.87	0.65
1972-73 SE OF P-VAL	0.27	0.51	1.03	0.00	0.42	0.27	0.45	0.21	1.52	0.29	1.93	0.84	0.22	0.22	0.79	0.90	0.39	0.46	0.45	0.63	0.52	0.44
1972-73 DELTA-P		0.25	1.02	-0.79#	-0.16	0.05	-0.05	-0.17	1.36	-0.50	1.62	0.61	-0.28	-0.42	0.85	0.83	-0.27	-0.32	-0.33	0.25	0.08	-0.14
1972-73 SE OF DP		0.46	0.82	0.27	0.40	0.25	0.25	0.18	1.31	0.39	1.73	0.62	0.23	0.27	0.73	0.71	0.42	0.46	0.48	0.58	0.51	0.27

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.49	0.84	0.50	0.32	0.31	0.37	0.60	0.19	1.70	2.12	2.70	0.91	0.19	0.21	0.79	0.72	0.40	0.40	2.45	0.00	0.23	0.29
1972-73 SE OF P-VAL	0.16	0.38	0.30	0.32	0.22	0.19	0.25	0.11	0.81	1.15	1.49	0.67	0.19	0.15	0.59	0.51	0.38	0.41	1.25	0.00	0.21	0.21
1972-73 DELTA-P		0.35	0.01	-0.17	-0.18	-0.12	0.11	-0.30*	1.21	1.63	2.21	0.42	-0.30	-0.28	0.30	0.23	-0.09	-0.09	1.96	-0.49#	-0.26	-0.20
1972-73 SE OF DP		0.30	0.28	0.26	0.22	0.17	0.15	0.13	0.71	1.10	1.39	0.62	0.21	0.17	0.60	0.50	0.37	0.38	1.14	0.16	0.25	0.20

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.32	0.13	1.07	0.00	0.25	0.39	0.25	0.14	1.30	1.19	0.81	0.18	0.27	0.00	0.00	0.42	1.80	0.36	0.00	0.00	0.00	0.19
1972-73 SE OF P-VAL	0.13	0.13	0.57	0.00	0.18	0.25	0.11	0.07	1.02	0.79	0.45	0.18	0.19	0.00	0.00	0.39	1.19	0.35	0.00	0.00	0.00	0.14
1972-73 DELTA-P		-0.19	0.75	-0.32*	-0.07	0.07	-0.07	-0.18	0.98	0.87	0.49	-0.14	-0.05	-0.32*	-0.32*	0.10	1.48	0.04	-0.32*	-0.32*	-0.32*	-0.13
1972-73 SE OF DP		0.16	0.46	0.13	0.18	0.14	0.13	0.12	0.91	0.76	0.35	0.20	0.19	0.13	0.13	0.40	1.09	0.32	0.13	0.13	0.13	0.16

RESPONSE: 01*   AGE: 13   TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	80.10	79.06	76.94	79.27	84.77	81.10	79.10	83.03	66.98	66.38	72.41	75.41	80.07	83.75	75.29	74.90	69.58	83.09	73.68	85.92	80.97	82.61
1972-73 SE OF P-VAL	1.06	1.89	2.04	2.21	2.17	1.33	1.43	1.08	3.79	4.98	4.82	2.88	1.58	1.56	2.79	3.68	4.71	2.21	4.37	2.46	2.18	1.45
1972-73 DELTA-P		-1.04	-3.16	-0.83	4.67*	1.00	-1.00	2.93#	-13.12#	-13.72#	-7.69	-4.69	-0.03	3.65#	-4.81	-5.20	-10.52*	2.99	-6.42	5.82#	0.87	2.51
1972-73 SE OF DP		1.75	1.88	1.76	1.87	0.87	0.88	0.70	3.61	4.65	4.50	3.07	1.18	1.21	2.51	3.35	4.47	2.17	4.00	2.22	2.21	1.40

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	83.24	81.68	84.09	83.58	83.79	83.97	82.58	84.79	75.58	78.35	78.29	79.27	82.68	85.70	77.44	88.70	77.53	84.60	80.58	83.09	86.26	82.67
1972-73 SE OF P-VAL	1.12	2.16	1.60	2.69	1.89	1.56	1.23	1.09	3.59	5.53	2.97	2.82	1.98	1.48	5.79	2.67	3.43	2.51	5.65	3.44	2.34	1.29
1972-73 DELTA-P		-1.56	0.85	0.34	0.55	0.73	-0.66	1.55*	-7.66*	-4.89	-4.95	-3.97	-0.56	2.46*	-5.80	5.46	-5.71	1.36	-2.66	-0.15	3.02	-0.57
1972-73 SE OF DP		1.35	1.65	2.07	1.77	0.89	0.81	0.65	3.07	5.44	2.65	2.88	1.52	1.04	5.64	2.75	3.21	2.37	5.04	3.02	2.31	1.31

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	89.66	91.79	86.46	92.41	87.27	90.01	89.34	91.59	78.73	80.87	83.82	90.06	90.12	94.90	88.97	87.78	83.47	93.81	89.78	91.27	90.65	89.26
1972-73 SE OF P-VAL	0.73	1.64	1.91	1.16	1.66	1.23	0.96	0.80	3.80	3.28	1.90	2.45	1.28	1.06	3.72	2.96	2.65	1.60	4.02	2.66	2.50	1.24
1972-73 DELTA-P		2.13	-3.20	2.75*	-2.39	0.35	-0.32	1.93#	-10.93#	-8.79#	-5.84#	0.40	0.46	5.24#	-0.69	-1.88	-6.19*	4.15*	0.12	1.61	0.99	-0.40
1972-73 SE OF DP		1.40	1.67	1.11	1.37	0.81	0.75	0.57	3.51	3.12	1.56	2.24	1.09	1.09	3.80	2.87	2.51	1.69	3.73	2.52	2.35	1.07

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 UU281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part C1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	0.92	0.54	1.08	1.32	0.67	0.68	1.16	0.35	3.83	2.81	2.02	1.09	0.93	0.40	1.93	0.53	0.91	0.63	2.64	0.22	1.30	0.69
1972-73 SE OF P-VAL	0.23	0.30	0.58	0.56	0.22	0.31	0.34	0.15	1.39	0.99	0.90	0.88	0.44	0.24	0.68	0.31	0.52	0.60	1.06	0.21	0.68	0.44
1972-73 DELTA-P		-0.38	0.16	0.40	-0.25	-0.24	0.24	-0.57#	2.91*	1.89	1.10	0.17	0.01	-0.52*	1.01	-0.39	-0.01	-0.29	1.72	-0.70#	0.38	-0.23
1972-73 SE OF DP		0.32	0.50	0.42	0.28	0.24	0.23	0.19	1.23	0.95	0.89	0.84	0.32	0.21	0.63	0.37	0.50	0.57	0.94	0.28	0.61	0.37
AGE: 17																						
1972-73 P-VALUE	0.57	0.16	1.04	0.05	1.23	0.90	0.26	0.40	0.77	2.51	1.27	1.50	0.69	0.07	1.95	0.79	0.65	1.05	0.00	0.60	0.19	0.56
1972-73 SE OF P-VAL	0.20	0.12	0.46	0.06	0.72	0.41	0.10	0.22	0.35	1.45	0.97	0.89	0.54	0.05	1.25	0.76	0.39	1.05	0.00	0.54	0.20	0.23
1972-73 DELTA-P		-0.41	0.47	-0.52*	0.66	0.33	-0.31	-0.17	0.20	1.94	0.70	0.93	0.12	-0.50*	1.38	0.22	0.08	0.48	-0.57#	0.03	-0.38	-0.01
1972-73 SE OF DP		0.22	0.40	0.21	0.56	0.22	0.20	0.11	0.36	1.38	0.91	0.81	0.41	0.21	1.22	0.72	0.41	0.91	0.20	0.50	0.26	0.24
AGE: Ad																						
1972-73 P-VALUE	1.06	0.93	1.69	0.36	1.41	0.59	1.49	0.67	3.11	3.18	2.29	0.48	0.72	0.30	3.72	1.57	0.45	0.40	0.64	0.96	0.89	1.50
1972-73 SE OF P-VAL	0.20	0.39	0.54	0.26	0.44	0.27	0.30	0.20	1.13	1.40	0.52	0.34	0.36	0.21	2.28	0.87	[illegible]	0.39	0.62	0.59	0.72	0.44
1972-73 DELTA-P		-0.13	0.63	-0.70#	0.35	-0.47*	0.43*	-0.39*	2.05	2.12	1.23#	-0.58	-0.34	-0.76#	2.66	0.51	-0.61	-0.66	-0.42	-0.10	-0.17	0.44
1972-73 SE OF DP		0.35	0.46	0.27	0.36	0.21	0.19	0.16	1.05	1.35	0.42	0.35	0.30	0.25	2.20	0.87	0.47	0.41	0.61	0.58	0.67	0.32

EXERCISE: 303013-234 UU281

Part C2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.76	0.56	0.41	1.21	0.70	0.82	0.70	0.41	2.84	1.25	0.90	0.44	0.79	0.37	2.05	0.52	1.53	0.63	1.88	0.47	1.05	0.27
1972-73 SE OF P-VAL	0.18	0.32	0.22	0.44	0.29	0.28	0.26	0.16	0.82	0.69	0.66	0.44	0.39	0.22	0.65	0.30	0.78	0.60	0.81	0.29	0.73	0.20
1972-73 DELTA-P		-0.20	-0.35	0.45	-0.06	0.06	-0.06	-0.35#	2.08#	0.49	0.14	-0.32	0.03	-0.39	1.29*	-0.24	0.77	-0.13	1.12	-0.29	0.29	-0.49*
1972-73 SE OF DP		0.29	0.24	0.33	0.27	0.20	0.21	0.11	0.75	0.66	0.62	0.51	0.29	0.23	0.58	0.31	0.79	0.59	0.71	0.29	0.64	0.22
AGE: 17																						
1972-73 P-VALUE	0.87	1.19	1.48	0.75	0.13	1.02	0.73	0.61	1.82	2.49	0.83	1.36	0.98	0.64	1.56	1.02	2.32	0.00	1.33	1.20	0.20	0.76
1972-73 SE OF P-VAL	0.23	0.56	0.61	0.35	0.13	0.37	0.29	0.20	0.87	1.39	0.79	0.88	0.43	0.28	1.19	1.00	0.98	0.00	0.72	0.71	0.20	0.33
1972-73 DELTA-P		0.32	0.61	-0.12	-0.74#	0.15	-0.14	-0.26	0.95	1.62	-0.04	0.49	0.11	-0.23	0.69	0.15	1.45	-0.87#	0.46	0.33	-0.67*	-0.11
1972-73 SE OF DP		0.45	0.51	0.32	0.24	0.25	0.23	0.16	0.77	1.31	0.76	0.80	0.35	0.22	1.18	0.95	0.88	0.23	0.67	0.62	0.28	0.30
AGE: Ad																						
1972-73 P-VALUE	1.02	1.44	1.92	0.37	0.59	1.06	0.99	0.67	3.90	0.85	1.65	1.31	0.70	0.30	3.72	1.28	2.14	0.37	0.64	0.96	0.89	1.07
1972-73 SE OF P-VAL	0.24	0.64	0.65	0.26	0.33	0.40	0.26	0.19	1.61	0.59	0.48	0.89	0.35	0.21	2.28	0.80	1.53	0.35	0.62	0.59	0.72	0.35
1972-73 DELTA-P		0.42	0.90	-0.65*	-0.43	0.04	-0.03	-0.35	2.88	-0.17	0.63	0.29	-0.32	-0.72#	2.70	0.26	1.12	-0.65	-0.38	-0.06	-0.13	0.05
1972-73 SE OF DP		0.51	0.55	0.30	0.33	0.24	0.22	0.18	1.45	0.61	0.39	0.78	0.30	0.28	2.19	0.77	1.41	0.36	0.62	0.57	0.68	0.29
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	94.84	95.69	93.09	94.69	95.72	95.21	94.47	96.70	85.31	88.62	90.76	90.52	94.64	97.77	90.84	92.07	86.10	97.16	92.00	96.27	96.13	97.02
1972-73 SE OF P-VAL	0.59	0.75	1.54	1.26	1.03	0.76	0.74	0.51	1.88	2.43	2.82	1.80	0.97	0.42	1.73	2.11	2.71	1.02	2.03	0.93	1.55	0.69
1972-73 DELTA-P		0.85	-1.75	-0.15	0.88	0.37	-0.37	1.86#	-9.53#	-6.22#	-4.08	-4.32#	-0.20	2.93#	-4.00#	-2.77	-8.74#	2.32*	-2.84	1.43	1.29	2.18#
1972-73 SE OF DP		0.79	1.32	0.99	0.93	0.47	0.47	0.36	1.72	2.33	2.68	1.65	0.79	0.51	1.47	1.89	2.60	1.13	1.82	0.87	1.39	0.70
AGE: 17																						
1972-73 P-VALUE	96.92	97.22	95.48	96.70	98.14	95.78	97.96	98.04	91.98	92.01	94.79	95.49	97.65	97.46	93.15	95.18	93.45	97.93	96.21	97.19	98.53	97.40
1972-73 SE OF P-VAL	0.52	0.85	0.91	1.31	0.76	0.85	0.48	0.39	2.31	3.05	2.15	1.51	0.79	0.59	2.65	1.45	2.83	1.18	1.37	1.41	0.68	0.61
1972-73 DELTA-P		0.30	-1.44	-0.22	1.22	-1.14*	1.04*	1.12#	-4.94*	-4.91	-2.13	-1.43	0.73	0.54	-3.77	-1.74	-3.47	1.01	-0.71	0.27	1.61*	0.48
1972-73 SE OF DP		0.79	0.85	1.00	0.75	0.47	0.43	0.42	1.99	2.87	2.03	1.39	0.62	0.39	2.52	1.45	2.52	1.11	1.18	1.28	0.77	0.65
AGE: Ad																						
1972-73 P-VALUE	95.86	94.86	93.75	98.18	96.04	96.22	95.52	97.57	82.84	94.40	93.50	93.83	96.72	98.66	94.25	95.57	93.32	98.44	92.45	97.65	95.65	95.89
1972-73 SE OF P-VAL	0.54	1.17	0.90	0.61	1.33	0.80	0.61	0.46	3.53	1.62	1.00	2.16	0.87	0.58	2.67	1.23	1.79	0.92	3.95	1.03	1.56	0.86
1972-73 DELTA-P		-1.00	-2.11*	2.32#	0.18	0.36	-0.34	1.71#	-13.02#	-1.46	-2.36*	-2.03	0.86	2.80#	-1.61	-0.29	-2.54	2.58#	-3.41	1.79	-0.21	0.03
1972-73 SE OF DP		0.97	0.87	0.65	1.06	0.48	0.44	0.44	3.25	1.63	0.96	1.84	0.68	0.65	2.66	1.31	1.76	0.96	3.85	1.10	1.49	0.72

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                                NATION |          REGION               |      SEX       |        RACE           |         PARENTAL EDUCATION             |            SIZE-AND-TYPE OF COMMUNITY
                                       | NORTH  SOUTH                  |                |                OTHER  |         SOME   GRAD   POST             |EXTREME  LOW    HIGH   MAIN  URBAN  MEDIUM SMALL
                                _______|_EAST___EAST_CENTRAL__WEST___|_MALE___FEMALE_|_WHITE__BLACK___RACE__|_NO HS___HS_____HS_____HS__UNKNOWN_|_RURAL__METRO__METRO_BIG CTY_FRINGE__CITY__PLACES

EXERCISE: 303013-234   00281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part D1.

RESPONSE:  00    AGE: 13        TEXT:  No Response.

    1972-73 P-VALUE             0.84    1.06   1.99   0.18   0.45     0.81   0.87     0.60   2.65   0.44     2.42   1.40   0.85   0.23   1.64     1.42   1.07   0.00   0.70   0.51   1.32   0.93
    1972-73 SE OF P-VAL         0.25    0.48   0.95   0.17   0.31     0.26   0.41     0.20   1.55   0.44     1.93   0.94   0.33   0.11   0.67     0.61   0.71   0.00   0.51   0.37   0.74   0.48
    1972-73 DELTA-P                     0.22   1.15  -0.66* -0.39    -0.03   0.03    -0.24   1.81  -0.40     1.58   0.56   0.01  -0.61#  0.80     0.58   0.23  -0.84# -0.14  -0.33   0.98   0.09
    1972-73 SE OF DP                    0.44   0.76   0.27   0.34     0.23   0.23     0.20   1.37   0.46     1.76   0.67   0.31   0.24   0.58     0.48   0.71   0.25   0.45   0.17   0.67   0.32

                 AGE: 17

    1972-73 P-VALUE             0.56    0.42   0.55   0.96   0.16     0.49   0.59     0.25   1.98   1.50     2.39   0.36   0.19   0.50   0.50     0.27   0.40   0.40   3.75   0.00   0.22   0.21
    1972-73 SE OF P-VAL         0.17    0.30   0.31   0.44   0.16     0.21   0.26     0.12   0.86   1.00     1.45   0.37   0.19   0.23   0.50     0.28   0.38   0.39   1.45   0.00   0.21   0.19
    1972-73 DELTA-P                    -0.12   0.01   0.42  -0.38    -0.05   0.05    -0.29*  1.40   0.96     1.65  -0.18  -0.35  -0.04  -0.04    -0.27  -0.14  -0.14   3.21* -0.54# -0.32  -0.33
    1972-73 SE OF DP                    0.17   0.29   0.31   0.21     0.17   0.16     0.14   0.76   0.95     1.36   0.37   0.21   0.17   0.51     0.31   0.38   0.41   1.32   0.17   0.25   0.20

                 AGE: 09

    1972-73 P-VALUE             0.52    0.40   0.89   0.15   0.35     0.70   0.35     0.18   2.92   1.19     1.11   1.00   0.00   0.00   2.72     0.00   3.65   0.00   0.00   0.24   0.00   0.41
    1972-73 SE OF P-VAL         0.20    0.55   0.58   0.15   0.21     0.37   0.16     0.09   1.62   0.79     0.50   0.84   0.00   0.00   1.97     0.00   1.90   0.00   0.00   0.24   0.00   0.21
    1972-73 DELTA-P                     0.28   0.37  -0.37  -0.17     0.18  -0.17    -0.34   2.40   0.67     0.61   0.48  -0.52# -0.52#  2.20    -0.52#  3.13  -0.52# -0.52# -0.28  -0.52# -0.11
    1972-73 SE OF DP                    0.44   0.49   0.22   0.24     0.21   0.19     0.18   1.46   0.77     0.39   0.72   0.20   0.20   1.93     0.20   1.74   0.20   0.20   0.29   0.20   0.22

RESPONSE:  01*   AGE: 13        TEXT:  All Acceptable Responses.

    1972-73 P-VALUE            70.27   70.67  59.11  75.05  73.72    70.40  70.14    71.94  59.93  68.53    64.89  61.27  70.72  72.31  71.18    72.87  65.29  71.50  70.91  69.05  69.11  71.06
    1972-73 SE OF P-VAL         1.28    3.60   2.46   2.12   1.96     1.48   1.66     1.48   2.71   3.91     4.41   3.60   2.25   1.74   1.26     3.90   3.09   3.60   5.31   3.43   2.91   2.18
    1972-73 DELTA-P                     0.40 -11.16#  4.78*  3.45     0.13  -0.13     1.67#-10.34# -1.74    -5.38  -9.00#  0.45   2.04   0.91     2.60  -4.98   1.23   0.64  -1.22  -1.16   0.77
    1972-73 SE OF DP                    2.93   2.23   1.92   1.91     0.91   0.91     0.49   2.56   3.93     4.20   3.39   1.76   1.32   1.03     3.59   3.15   1.40   5.02   3.09   2.83   1.77

                 AGE: 17

    1972-73 P-VALUE            78.33   80.93  78.03  75.66  78.94    74.70  81.65    79.18  72.13  80.08    69.68  68.56  79.92  80.94  77.12    78.59  78.58  81.31  73.66  80.11  80.41  76.54
    1972-73 SE OF P-VAL         1.15    2.47   2.04   2.49   1.87     1.62   1.37     1.23   3.06   4.15     3.44   2.72   1.78   1.47   5.03     3.86   4.02   2.88   3.54   2.77   2.50   1.73
    1972-73 DELTA-P                     2.60  -0.30  -2.67   0.65    -3.63#  3.32#    0.85  -6.20*  1.75    -8.65# -9.77#  1.59   2.61# -1.21     0.26   0.25   2.98  -4.67   1.78   2.08  -1.79
    1972-73 SE OF DP                    2.06   1.93   1.98   1.78     1.01   0.94     0.49   2.86   3.95     3.43   2.61   1.32   0.85   4.84     3.74   3.69   2.61   3.30   2.55   2.23   1.52

                 AGE: 09

    1972-73 P-VALUE            74.08   73.83  64.75  77.13  76.62    73.22  74.88    76.15  59.82  69.40    69.17  67.86  76.88  80.83  61.83    71.64  67.46  76.76  78.28  73.89  74.40  74.22
    1972-73 SE OF P-VAL         1.05    1.36   2.12   2.35   1.97     1.42   1.65     1.02   3.46   6.38     1.94   3.31   2.12   2.34   7.68     2.22   3.60   3.63   4.58   3.28   3.42   1.63
    1972-73 DELTA-P                    -0.15  -7.33#  3.05   2.74    -0.86   0.60     2.07#-14.26# -4.68    -4.91# -6.22   2.80   6.75#-12.25    -2.44  -6.62   2.68   4.20  -0.19   0.32   0.14
    1972-73 SE OF DP                    1.74   1.96   1.91   1.71     1.17   1.09     0.55   3.25   6.02     1.87   3.13   1.76   1.98   7.77     2.39   3.52   3.31   4.22   1.06   1.31   1.51

RESPONSE:  09    AGE: 13        TEXT:  I Don't Know.

    1972-73 P-VALUE             2.98    2.05   3.08   3.08   3.65     2.90   3.06     2.49   5.41   4.72     1.54   6.01   2.81   2.09   4.81     2.18   3.11   3.60   4.17   2.40   2.67   2.96
    1972-73 SE OF P-VAL         0.35    0.64   0.52   0.73   0.74     0.51   0.56     0.37   1.03   1.66     1.09   2.19   0.64   0.45   1.19     0.88   1.00   1.17   1.51   0.78   0.97   0.57
    1972-73 DELTA-P                    -0.93   0.10   0.10   0.67    -0.08   0.08    -0.49#  2.43#  1.74    -1.44   3.03  -0.17  -0.90*  1.83    -0.80   0.13   0.62   1.19  -0.58  -0.31  -0.02
    1972-73 SE OF DP                    0.58   0.52   0.58   0.61     0.41   0.41     0.19   0.97   1.54     1.12   2.04   0.56   0.42   1.10     0.87   0.96   1.09   1.36   0.72   0.92   0.51

                 AGE: 17

    1972-73 P-VALUE             3.36    2.46   3.66   3.51   3.89     4.32   2.48     2.76   5.91   6.20     5.02   6.61   2.77   2.85   2.19     5.00   4.69   2.92   3.37   2.97   3.26   2.97
    1972-73 SE OF P-VAL         0.45    0.63   0.98   1.03   0.91     0.76   0.46     0.43   1.96   2.59     1.69   1.55   0.67   0.56   1.23     1.91   2.49   0.95   1.12   1.24   1.10   0.74
    1972-73 DELTA-P                    -0.90   0.32   0.15   0.53     0.96* -0.88*   -0.60   2.55   2.84     1.66   3.25* -0.59  -0.51  -1.17     1.64   1.33  -0.44   0.01  -0.39  -0.10  -0.39
    1972-73 SE OF DP                    0.62   0.88   0.81   0.80     0.44   0.40     0.33   1.80   2.45     1.60   1.39   0.51   0.38   1.28     1.13   2.29   0.90   1.21   1.12   1.05   0.62

                 AGE: 09

    1972-73 P-VALUE             2.53    2.23   3.50   2.46   2.12     2.67   2.40     2.42   3.17   3.09     3.82   3.15   2.27   0.83   5.65     3.62   0.95   3.09   1.72   3.05   2.21   2.61
    1972-73 SE OF P-VAL         0.40    0.74   1.03   0.92   0.53     0.59   0.50     0.43   1.10   1.33     0.77   1.02   0.68   0.40   2.88     1.22   0.47   1.32   0.89   0.82   1.08   0.64
    1972-73 DELTA-P                    -0.30   0.97  -0.07  -0.41     0.14  -0.13    -0.11   0.64   0.56     1.29*  0.62  -0.26  -1.70#  3.12     1.09  -1.58#  0.55  -0.81   0.52  -0.32   0.08
    1972-73 SE OF DP                    0.66   0.89   0.73   0.54     0.38   0.36     0.14   0.97   1.38     0.60   0.90   0.52   0.43   2.73     1.14   0.53   1.18   0.93   0.82   0.98   0.42



* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 303013-234 00281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part D2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.45	1.19	1.65	1.37	1.62	1.41	1.49	1.11	3.68	1.47	0.00	2.10	1.62	0.84	3.13	1.07	2.95	2.67	1.62	0.79	1.97	0.79
1972-73 SE OF P-VAL	0.29	0.75	0.42	0.53	0.54	0.35	0.40	0.28	0.94	1.04	0.00	1.11	0.44	0.37	1.07	0.53	1.02	1.43	0.87	0.53	0.71	0.32
1972-73 DELTA-P		-0.26	0.20	-0.08	0.17	-0.04	0.04	-0.34*	2.23#	0.02	-1.45#	0.65	0.17	-0.61*	1.68	-0.38	1.50	1.22	0.17	-0.06	0.52	-0.66
1972-73 SE OF DP		0.61	0.43	0.44	0.47	0.24	0.24	0.14	0.87	0.91	0.29	1.05	0.36	0.30	0.92	0.54	0.88	1.26	0.80	0.54	0.65	0.37
AGE: 17																						
1972-73 P-VALUE	1.01	0.54	1.56	1.28	0.71	1.43	0.63	0.78	2.10	1.83	1.29	2.18	1.00	0.67	1.50	0.44	3.61	1.35	0.43	1.05	0.50	0.79
1972-73 SE OF P-VAL	0.26	0.29	0.62	0.65	0.34	0.47	0.27	0.24	1.22	0.86	0.88	0.88	0.37	0.33	1.14	0.43	1.70	0.69	0.39	0.69	0.00	0.32
1972-73 DELTA-P		-0.47	0.55	0.27	-0.30	0.42	-0.38	-0.23	1.09	0.82	0.28	1.17	-0.01	-0.34	0.49	-0.57	2.40	0.34	-0.58	0.04	-1.01#	-0.22
1972-73 SE OF DP		0.32	0.53	0.49	0.35	0.30	0.27	0.18	1.08	0.88	0.82	0.83	0.28	0.22	1.13	0.48	1.54	0.63	0.50	0.62	0.26	0.32
AGE: Ad																						
1972-73 P-VALUE	1.65	2.17	1.37	1.48	1.55	1.55	1.74	1.36	3.94	1.60	2.61	2.70	1.25	0.03	5.65	2.75	1.12	1.74	2.51	1.61	1.03	1.50
1972-73 SE OF P-VAL	0.33	0.82	0.58	0.61	0.53	0.51	0.43	0.31	1.43	0.92	0.66	0.98	0.55	0.09	2.88	1.15	0.85	1.13	1.35	0.55	0.65	0.45
1972-73 DELTA-P		0.52	-0.28	-0.17	-0.10	-0.10	0.09	-0.29	2.34	-0.05	0.96	1.05	-0.40	-1.56#	4.00	1.10	-0.53	0.14	0.86	-0.04	-0.62	-0.15
1972-73 SE OF DP		0.66	0.55	0.52	0.49	0.35	0.32	0.16	1.25	0.98	0.50	0.84	0.43	0.34	2.78	1.08	0.76	1.01	1.25	0.54	0.67	0.34
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	87.70	90.54	81.29	89.09	88.88	87.07	88.33	89.80	73.79	87.46	87.03	83.31	87.12	91.05	81.87	85.60	74.13	91.95	85.60	90.74	87.34	88.35
1972-73 SE OF P-VAL	0.77	1.45	1.79	1.46	1.68	1.11	0.95	0.75	2.25	2.28	3.17	2.59	1.44	1.07	2.44	3.16	2.47	2.19	2.13	1.94	1.54	1.33
1972-73 DELTA-P		2.84*	-6.41#	1.39	1.18	-0.63	0.63	2.10#	-13.91#	-0.24	-0.67	-4.39	-0.58	3.35#	-5.83#	-2.10	-8.57#	4.25*	-2.10	3.04	-0.32	0.65
1972-73 SE OF DP		1.30	1.63	1.22	1.42	0.69	0.69	0.40	1.97	2.16	3.20	2.47	1.22	0.76	2.26	3.02	2.19	2.03	2.10	1.77	1.36	1.25
AGE: 17																						
1972-73 P-VALUE	93.11	95.02	89.75	93.03	94.08	91.78	94.32	93.77	89.34	92.16	90.06	87.52	93.03	95.10	90.07	91.62	90.99	96.93	93.46	93.29	91.52	92.81
1972-73 SE OF P-VAL	0.64	1.10	0.98	1.57	1.09	1.05	0.77	0.64	2.08	2.25	2.20	2.47	1.04	0.81	1.22	1.76	3.01	1.37	1.40	1.35	1.68	0.97
1972-73 DELTA-P		1.91	-3.36#	-0.08	0.97	-1.33	1.21	0.66*	-3.77	-0.95	-3.05	-5.59*	-0.08	1.99#	-3.04	-1.49	-2.12	3.82#	0.35	0.18	-1.59	-0.30
1972-73 SE OF DP		1.00	0.97	1.20	1.01	0.69	0.62	0.32	1.89	2.19	2.12	2.39	0.76	0.61	3.15	1.83	2.75	1.29	1.38	1.76	1.56	0.92
AGE: Ad																						
1972-73 P-VALUE	85.31	86.10	80.93	86.62	86.64	85.84	84.82	87.65	69.11	80.12	78.80	82.44	86.51	92.97	78.54	84.99	75.75	91.31	85.67	84.36	84.18	86.02
1972-73 SE OF P-VAL	0.91	2.12	1.82	1.67	1.70	1.34	1.32	0.93	3.16	6.71	1.69	2.46	1.77	1.75	4.75	2.01	4.27	2.50	2.52	3.57	2.41	1.55
1972-73 DELTA-P		0.79	-4.38#	1.31	1.33	0.53	-0.49	2.34#	-16.20#	-5.19	-6.51#	-2.87	1.20	7.66#	-6.77	-0.32	-9.56*	6.00*	0.36	-0.95	-1.13	0.71
1972-73 SE OF DP		1.75	1.69	1.46	1.48	1.00	0.93	0.59	3.15	6.36	1.41	2.42	1.82	1.64	4.67	2.08	4.01	2.44	2.49	3.18	2.53	1.32

EXERCISE: 303013-234 00281

Part E1.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.79	0.75	1.75	0.00	0.90	0.92	0.64	0.52	2.91	0.00	2.62	0.90	0.26	0.61	1.78	1.44	1.39	0.70	0.47	0.98	0.36	0.61
1972-73 SE OF P-VAL	0.24	0.36	0.87	0.00	0.45	0.26	0.38	0.18	1.54	0.00	1.93	0.77	0.15	0.24	0.81	0.61	0.67	0.51	0.45	0.63	0.25	0.44
1972-73 DELTA-P		-0.03	0.97	-0.78#	0.12	0.14	-0.14	-0.26	2.13	-0.78#	1.84	0.12	-0.52	-0.17	1.00	0.66	0.61	-0.08	-0.31	0.20	-0.42	-0.17
1972-73 SE OF DP		0.36	0.69	0.24	0.39	0.23	0.23	0.19	1.37	0.24	1.76	0.61	0.27	0.25	0.74	0.46	0.69	0.50	0.46	0.57	0.32	0.29
AGE: 17																						
1972-73 P-VALUE	0.65	1.14	0.50	0.73	0.15	0.62	0.68	0.18	3.26	1.45	2.70	0.55	0.49	0.27	2.71	0.72	1.24	0.40	3.76	0.00	0.23	0.18
1972-73 SE OF P-VAL	0.22	0.60	0.30	0.44	0.15	0.23	0.35	0.07	1.14	1.04	1.89	0.55	0.35	0.16	2.27	0.51	0.88	0.41	2.02	0.00	0.21	0.17
1972-73 DELTA-P		0.49	-0.15	0.08	-0.50*	-0.03	0.03	-0.47*	2.61#	0.80	2.05	-0.10	-0.16	-0.38	2.06	0.07	0.59	-0.25	3.11	-0.65#	-0.42	-0.47
1972-73 SE OF DP		0.47	0.32	0.36	0.24	0.22	0.20	0.21	0.95	0.93	1.35	0.57	0.32	0.23	2.14	0.52	0.85	0.44	1.84	0.22	0.29	0.24
AGE: Ad																						
1972-73 P-VALUE	0.24	0.22	0.57	0.00	0.25	0.27	0.21	0.16	0.31	1.32	0.72	0.00	0.08	0.00	1.07	0.46	0.36	0.00	0.00	0.24	0.21	0.31
1972-73 SE OF P-VAL	0.11	0.16	0.43	0.00	0.18	0.14	0.16	0.08	0.30	0.92	0.37	0.00	0.07	0.00	1.07	0.50	0.35	0.00	0.00	0.24	0.22	0.18
1972-73 DELTA-P		-0.02	0.33	-0.24*	0.01	0.03	-0.03	-0.08	0.07	1.08	0.48	-0.24*	-0.16	-0.24*	0.83	0.22	0.12	-0.24*	-0.24*	0.00	-0.03	0.07
1972-73 SE OF DP		0.15	0.34	0.11	0.16	0.11	0.10	0.06	0.29	0.88	0.28	0.11	0.12	0.11	1.05	0.43	0.34	0.11	0.11	0.24	0.22	0.11

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 00201

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part E1.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	78.88	79.08	76.34	80.41	79.03	83.66	74.10	81.11	66.99	72.47	76.87	78.20	77.19	83.58	69.61	78.75	76.52	81.66	77.46	80.44	77.25	78.89
1972-73 SE OF P-VAL	1.00	2.21	2.72	1.80	1.35	1.15	1.25	1.06	3.02	3.65	3.51	2.59	1.73	1.29	3.18	3.96	2.94	3.42	2.70	2.56	1.95	1.61
1972-73 DELTA-P		0.20	-2.54	1.53	0.15	4.78#	-4.78#	2.23#	-11.89#	-6.41	-2.01	-0.68	-1.69	4.70#	-9.27#	-0.13	-2.36	2.78	-1.42	1.56	-1.63	0.01
1972-73 SE OF DP		1.90	2.29	1.53	1.38	0.68	0.69	0.57	2.79	3.57	3.26	2.46	1.52	0.95	2.79	3.58	2.69	3.16	2.89	2.28	1.86	1.29
AGE: 17																						
1972-73 P-VALUE	83.68	85.96	79.15	84.69	83.95	87.16	80.51	86.43	68.44	78.62	79.26	80.16	84.68	85.98	67.31	87.06	75.24	89.09	75.18	89.03	81.83	83.48
1972-73 SE OF P-VAL	1.14	1.65	2.32	2.55	2.41	1.34	1.53	0.97	3.39	3.05	3.15	2.90	1.65	1.17	4.85	4.72	4.02	2.99	5.14	1.99	2.92	1.66
1972-73 DELTA-P		2.28	-4.53*	1.01	0.27	3.48#	-3.17#	2.75#	-15.24#	-5.06	-4.42	-3.52	1.00	2.30#	-16.37#	3.38	-8.44*	5.41	-8.50	5.35#	-1.85	-0.20
1972-73 SE OF DP		1.60	2.13	2.01	2.08	0.92	0.88	0.67	2.80	2.88	2.68	2.35	1.21	0.79	4.82	4.56	3.63	2.86	4.75	1.89	2.84	1.61
AGE: Ad																						
1972-73 P-VALUE	83.62	85.11	81.28	84.52	83.10	87.09	80.40	85.29	73.73	76.73	78.86	83.04	82.57	91.40	70.43	80.21	74.03	82.56	85.46	84.42	88.59	84.89
1972-73 SE OF P-VAL	0.86	1.45	1.67	1.94	1.83	1.30	1.27	0.94	3.02	3.30	1.70	2.29	1.61	1.27	8.38	3.01	3.96	3.61	3.52	2.46	1.93	1.52
1972-73 DELTA-P		1.49	-2.34	0.90	-0.52	3.47#	-3.22#	1.67#	-9.89#	-6.89*	-4.76#	-0.58	-1.05	7.78#	-13.19	-3.41	-9.59*	-1.06	1.84	0.80	4.97#	1.27
1972-73 SE OF DP		1.35	1.55	1.58	1.52	1.01	0.92	0.42	2.75	3.26	1.53	2.08	1.30	1.31	8.09	3.02	3.94	3.31	3.29	2.40	1.92	1.29
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.58	3.65	1.75	2.75	2.09	1.37	3.79	2.06	5.12	4.51	1.51	3.41	2.92	1.42	5.29	1.85	2.43	2.53	4.38	3.22	3.00	1.62
1972-73 SE OF P-VAL	0.33	0.90	0.47	0.53	0.72	0.33	0.57	0.34	1.25	1.84	1.08	1.21	0.71	0.42	1.48	0.81	1.19	0.76	1.26	1.00	1.16	0.53
1972-73 DELTA-P		1.07	-0.83	0.17	-0.49	-1.21#	1.21#	-0.52*	2.54*	1.93	-1.07	0.83	0.34	-1.16#	2.71*	-0.73	-0.15	-0.05	1.80	0.64	0.42	-0.96*
1972-73 SE OF DP		0.74	0.49	0.47	0.60	0.34	0.33	0.21	1.18	1.73	1.03	1.25	0.62	0.42	1.26	0.77	1.17	0.75	1.20	0.92	1.06	0.47
AGE: 17																						
1972-73 P-VALUE	2.35	2.18	3.14	1.56	2.80	1.17	3.43	2.28	3.10	1.67	3.13	4.94	1.04	2.22	4.82	0.92	2.81	2.34	2.09	1.54	4.11	2.36
1972-73 SE OF P-VAL	0.40	0.77	0.59	0.65	1.10	0.28	0.68	0.45	0.93	0.91	1.35	1.50	0.36	0.61	2.74	0.55	1.00	1.15	1.10	0.93	1.51	0.53
1972-73 DELTA-P		-0.17	0.79	-0.79	0.45	-1.18#	1.08#	-0.07	0.75	-0.68	0.78	2.59	-1.31#	-0.13	2.47	-1.43*	0.46	-0.01	-0.26	-0.81	1.76	0.01
1972-73 SE OF DP		0.66	0.61	0.58	0.89	0.35	0.33	0.16	0.88	0.93	1.28	1.35	0.44	0.37	2.73	0.63	0.96	0.99	1.03	0.82	1.38	0.47
AGE: Ad																						
1972-73 P-VALUE	5.58	6.40	5.16	5.82	4.88	2.45	8.49	4.94	9.56	7.91	8.23	4.30	6.34	1.88	14.40	4.58	11.87	4.22	6.26	3.60	4.00	5.64
1972-73 SE OF P-VAL	0.61	1.37	1.11	1.41	0.75	0.50	0.99	0.67	2.44	2.56	1.27	1.25	1.13	0.80	5.62	1.19	2.54	1.59	2.38	1.50	1.22	1.04
1972-73 DELTA-P		0.82	-0.42	0.24	-0.70	-3.13#	2.91#	-0.64	3.98	2.33	2.65#	-1.28	0.76	-3.70#	8.82	-1.00	6.29#	-1.36	0.68	-1.98	-1.58	0.06
1972-73 SE OF DP		1.13	1.04	1.12	0.80	0.56	0.51	0.33	2.25	2.60	0.96	1.20	0.95	0.90	5.31	1.28	2.33	1.54	2.30	1.45	1.19	0.74

EXERCISE: 303013-234 00201

Part E2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.48	2.23	0.94	1.84	0.81	0.98	1.98	1.23	2.76	2.35	0.60	1.62	2.34	0.46	2.88	0.64	2.29	1.24	2.30	2.46	1.76	0.67
1972-73 SE OF P-VAL	0.28	0.55	0.42	0.67	0.43	0.30	0.47	0.29	0.61	1.33	0.60	0.79	0.70	0.25	0.98	0.61	0.96	0.73	0.96	1.02	0.74	0.29
1972-73 DELTA-P		0.75	-0.54	0.36	-0.67	-0.50	0.50	-0.25*	1.28*	0.87	-0.88	0.14	0.86	-1.02#	1.40	-0.84	0.81	-0.24	0.82	0.98	0.28	-0.81#
1972-73 SE OF DP		0.49	0.42	0.50	0.41	0.28	0.28	0.11	0.60	1.22	0.55	0.81	0.54	0.31	0.85	0.61	0.96	0.67	0.85	0.93	0.67	0.31
AGE: 17																						
1972-73 P-VALUE	1.45	1.72	1.51	1.13	1.49	0.74	2.10	1.47	1.24	1.59	1.85	2.69	0.81	1.14	5.54	0.00	2.50	1.28	1.84	1.14	1.65	1.54
1972-73 SE OF P-VAL	0.31	0.75	0.65	0.50	0.60	0.25	0.52	0.34	0.81	1.15	1.12	1.09	0.38	0.37	3.35	0.00	0.94	0.75	1.20	0.64	0.98	0.48
1972-73 DELTA-P		0.27	0.06	-0.32	0.04	-0.71#	0.65#	0.02	-0.21	0.14	0.40	1.24	-0.64	-0.31	4.09	-1.45#	1.05	-0.17	0.39	-0.31	0.20	0.09
1972-73 SE OF DP		0.61	0.59	0.45	0.54	0.28	0.26	0.15	0.74	1.09	1.07	0.98	0.40	0.30	3.19	0.31	0.85	0.68	1.10	0.62	0.89	0.39
AGE: Ad																						
1972-73 P-VALUE	4.13	4.72	4.46	4.29	3.14	1.81	6.28	3.66	7.91	4.18	5.74	3.95	4.30	1.61	11.92	2.83	9.45	3.40	4.56	2.61	3.42	3.94
1972-73 SE OF P-VAL	0.52	1.10	1.10	1.15	0.74	0.43	0.87	0.55	2.34	1.53	1.12	1.17	1.08	0.78	5.44	1.24	2.14	1.52	1.74	1.36	1.12	0.73
1972-73 DELTA-P		0.59	0.33	0.16	-0.99	-2.32#	2.15#	-0.47	3.78	0.05	1.61	-0.18	0.17	-2.52#	7.79	-1.30	5.32#	-0.73	0.43	-1.52	-0.71	-0.19
1972-73 SE OF DP		0.92	0.99	0.93	0.73	0.49	0.45	0.28	2.14	1.58	0.89	1.09	0.96	0.79	5.24	1.26	1.92	1.42	1.69	1.24	1.08	0.56

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 U0281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part E2.

RESPONSE: 01* TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	89.06	87.17	87.37	91.68	89.11	92.05	86.06	90.57	80.75	85.23	89.38	89.69	87.55	92.30	82.02	91.12	83.95	91.39	85.60	90.16	87.11	90.39
1972-73 SE OF P-VAL	0.72	1.53	1.50	1.06	1.74	0.93	1.00	0.77	1.83	2.73	2.76	1.90	1.56	1.01	2.33	2.21	2.77	1.90	2.76	1.61	1.96	1.06
1972-73 DELTA-P		-1.89	-1.69	2.62#	0.05	2.99#	-3.00#	1.51#	-8.31#	-3.83	0.32	0.63	-1.51	3.24#	-7.04#	2.06	-5.11	2.33	-3.46	1.10	-1.95	1.33
1972-73 SE OF DP		1.34	1.36	0.96	1.42	0.65	0.67	0.33	1.82	2.71	2.68	1.87	1.32	0.85	2.18	2.11	2.69	1.81	2.65	1.56	1.88	1.17
AGE: 17																						
1972-73 P-VALUE	92.94	93.38	91.17	93.46	93.39	95.34	90.75	93.84	87.57	92.19	89.63	91.23	93.97	93.99	84.20	94.83	87.88	95.94	91.13	94.15	91.23	93.22
1972-73 SE OF P-VAL	0.61	1.00	1.36	0.82	1.61	0.69	1.01	0.65	1.56	2.24	2.34	1.99	0.97	0.89	3.98	2.00	2.45	1.25	1.81	1.55	2.27	0,85
1972-73 DELTA-P		0.44	-1.77	0.52	0.45	2.40#	-2.19#	0.90#	-5.37#	-0.75	-3.31	-1.71	1.03	1.05	-8.74*	1.89	-5.06*	3.00*	-1.81	1.21	-1.71	0.28
1972-73 SE OF DP		0.96	1.20	0.81	1.31	0.66	0.61	0.35	1.43	2.12	2.28	1.75	0.88	0.69	3.89	1.95	2.24	1.29	1.70	1.40	2.09	0.77
AGE: A4																						
1972-73 P-VALUE	90.24	90.31	88.51	90.91	90.83	93.12	87.56	91.36	82.39	87.88	87.01	89.11	90.04	95.45	80.38	88.47	84.63	90.76	93.25	89.75	94.01	90.17
1972-73 SE OF P-VAL	0.79	1.32	1.41	1.06	1.60	1.09	1.18	0.89	3.19	2.87	1.52	1.82	1.55	1.07	5.42	2.11	2.83	3.28	2.38	2.26	1.86	1.40
1972-73 DELTA-P		0.07	-1.73	0.67	0.59	2.88#	-2.68#	1.12#	-7.85#	-2.36	-3.23*	-1.13	-0.20	5.21#	-9.86	-1.77	-5.61	0.52	3.01	-0.49	3.77*	-0.07
1972-73 SE OF DP		1.22	1.34	1.09	1.35	0.88	0.78	0.40	2.96	2.97	1.33	1.51	1.31	1.08	5.13	2.14	2.82	2.98	2.38	2.21	1.86	1.07

EXERCISE: 303013-234 U0281

Part F1.

RESPONSE: 00 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	0.60	0.64	1.65	0.18	0.17	0.56	0.64	0.28	2.99	0.00	2.42	0.90	0.42	0.23	1.21	1.22	0.74	0.47	0.00	0.38	0.76	0.69
1972-73 SE OF P-VAL	0.22	0.30	0.88	0.17	0.16	0.21	0.39	0.12	1.53	0.00	1.93	0.77	0.22	0.15	0.54	0.64	0.57	0.46	0.00	0.26	0.44	0.45
1972-73 DELTA-P		0.04	1.05	-0.42	-0.43	-0.04	0.04	-0.32	2.39	-0.60#	1.82	0.30	-0.18	-0.37	0.61	0.62	0.14	-0.13	-0.60#	-0.22	0.16	0.09
1972-73 SE OF DP		0.31	0.70	0.24	0.25	0.22	0.23	0.20	1.35	0.22	1.76	0.61	0.26	0.22	0.52	0.49	0.58	0.45	0.22	0.31	0.43	0.28
AGE: 17																						
1972-73 P-VALUE	0.44	0.61	0.37	0.32	0.46	0.38	0.49	0.19	1.03	2.73	2.80	0.91	0.19	0.08	0.90	1.16	0.40	0.52	1.60	0.00	0.00	0.29
1972-73 SE OF P-VAL	0.16	0.30	0.28	0.32	0.33	0.22	0.22	0.11	0.70	1.56	1.62	0.67	0.19	0.08	0.63	0.90	0.38	0.43	1.11	0.00	0.00	0.21
1972-73 DELTA-P		0.17	-0.07	-0.12	0.02	-0.06	0.05	-0.25	0.59	2.29	2.36	0.47	-0.25	-0.36*	0.46	0.72	-0.04	0.08	1.16	-0.44#	-0.44#	-0.15
1972-73 SE OF DP		0.26	0.26	0.26	0.29	0.16	0.15	0.13	0.63	1.48	1.51	0.62	0.20	0.16	0.64	0.85	0.37	0.40	1.02	0.16	0.16	[illegible]
AGE: A4																						
1972-73 P-VALUE	0.20	0.13	0.49	0.00	0.25	0.29	0.12	0.00	1.30	1.19	0.66	0.18	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.09
1972-73 SE OF P-VAL	0.12	0.13	0.49	0.00	0.18	0.23	0.08	0.00	1.02	0.79	0.43	0.18	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.09
1972-73 DELTA-P		-0.07	0.29	-0.20	0.05	0.09	-0.08	-0.20	1.10	0.99	0.46	-0.02	-0.20	-0.20	-0.20	-0.20	1.60	-0.20	-0.20	-0.20	-0.20	-0.11
1972-73 SE OF DP		0.15	0.40	0.12	0.17	0.13	0.12	0.12	0.91	0.76	0.32	0.19	0.12	0.12	0.12	0.12	1.09	0.12	0.12	0.12	0.12	0.12

RESPONSE: 03* TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	77.21	75.25	71.84	82.45	77.34	76.46	77.96	84.20	40.59	55.80	61.71	63.09	79.74	85.47	61.58	81.19	54.29	86.08	69.67	80.81	80.29	77.97
1972-73 SE OF P-VAL	1.40	2.87	2.46	2.83	2.58	1.76	1.69	1.03	2.67	4.80	3.40	3.93	1.80	1.42	2.82	3.22	4.89	3.09	4.67	2.87	2.66	2.33
1972-73 DELTA-P		-1.96	-5.37*	5.24*	0.13	-0.75	0.75	6.99#	-36.62#	-21.41#	-15.50#	-14.12#	2.53*	8.26#	-15.63#	3.98	-22.92#	8.87#	-7.54	3.60	3.08	0.76
1972-73 SE OF DP		2.54	2.37	2.18	2.30	1.00	1.01	0.85	2.65	4.71	3.58	3.49	1.22	1.15	2.51	3.02	4.68	3.21	4.21	2.80	2.50	1.84
AGE: 17																						
1972-73 P-VALUE	88.04	91.37	84.26	88.23	87.50	87.71	88.34	92.93	65.58	68.71	73.75	76.96	89.27	93.76	67.08	89.98	77.34	94.69	82.35	87.51	89.96	88.87
1972-73 SE OF P-VAL	0.88	1.15	2.31	1.72	1.68	[illegible]	0.88	0.81	2.36	5.81	3.54	3.38	1.61	0.76	5.18	2.83	4.16	1.47	2.30	3.32	2.60	1.42
1972-73 DELTA-P		3.33#	-3.78	0.19	-0.54	-0.33	0.30	4.89#	-22.46#	-19.33#	-14.29#	-11.08#	1.23	5.72#	-20.96#	1.94	-10.70#	6.65#	-5.69*	-0.53	1.92	0.83
1972-73 SE OF DP		1.19	1.94	1.42	1.50	0.77	0.70	0.74	2.31	5.55	3.32	3.15	1.21	0.71	5.43	2.69	3.89	1.43	2.44	2.85	2.53	1.32
AGE: A4																						
1972-73 P-VALUE	86.41	82.92	83.36	90.82	87.54	84.35	88.33	91.73	56.20	62.06	79.20	84.86	88.38	93.63	74.09	88.65	69.43	91.15	83.85	87.17	84.93	89.02
1972-73 SE OF P-VAL	1.03	2.35	2.97	1.55	1.63	1.45	1.21	0.90	4.16	5.64	2.13	2.66	1.96	1.18	5.49	2.26	4.18	2.30	4.98	2.94	3.45	1.43
1972-73 DELTA-P		-3.49	-3.05	4.41#	1.13	-2.06*	1.92*	5.32#	-30.21#	-24.35#	-7.21#	-1.55	1.97	7.22#	-12.32*	2.24	-16.98#	4.74*	-2.56	0.76	-1.48	2.61*
1972-73 SE OF DP		1.94	2.51	1.51	1.53	0.89	0.82	0.71	3.83	5.49	1.81	2.45	1.57	1.17	5.40	2.31	3.97	2.17	4.70	2.76	3.19	1.19

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 UU281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part P1.

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	2.07	1.44	2.31	1.80	2.77	1.47	2.67	0.82	7.83	7.61	5.77	2.40	1.24	1.03	5.46	1.93	4.58	2.34	3.08	2.22	1.47	1.13
1972-73 SE OF P-VAL	0.38	0.74	0.79	0.70	0.77	0.46	0.61	0.26	2.05	1.91	2.41	1.11	0.48	0.43	1.27	0.77	1.88	0.99	1.19	1.00	0.83	0.49
1972-73 DELTA-P		-0.63	0.24	-0.27	0.70	-0.60	0.60	-1.25#	5.76#	5.58#	3.70	0.33	-0.83	-1.04#	3.39#	-0.14	2.51	0.27	1.01	0.15	-0.60	-0.94
1972-73 SE OF DP		0.66	0.70	0.58	0.66	0.39	0.39	0.30	1.81	1.82	2.33	1.01	0.42	0.38	1.09	0.78	1.76	0.86	1.08	0.89	0.77	0.48
AGE: 17																						
1972-73 P-VALUE	1.57	0.78	2.46	1.65	1.55	1.48	1.65	0.56	6.75	4.29	2.55	3.83	1.97	0.26	6.49	1.96	4.96	0.00	2.80	2.49	0.28	0.87
1972-73 SE OF P-VAL	0.36	0.32	0.67	1.00	0.48	0.51	0.46	0.18	1.92	1.63	1.10	1.77	1.01	0.14	2.79	1.05	2.60	0.00	1.35	1.07	0.28	0.29
1972-73 DELTA-P		-0.79	0.89	0.08	-0.02	-0.09	0.08	-1.01#	5.18#	2.72	0.98	2.26	0.40	-1.31#	4.92	0.41	3.39	-1.57#	1.23	0.92	-1.29#	-0.70
1972-73 SE OF DP		0.42	0.61	0.74	0.50	0.34	0.31	0.35	1.62	1.56	1.11	1.65	0.76	0.39	2.72	1.03	2.36	0.36	1.30	0.98	0.42	0.39
AGE: Ad																						
1972-73 P-VALUE	2.99	4.50	3.47	1.97	2.23	4.11	1.94	1.15	10.83	16.38	5.92	1.44	1.73	2.04	6.76	1.61	6.78	1.80	7.18	0.94	3.56	2.32
1972-73 SE OF P-VAL	0.64	1.83	1.37	0.68	0.90	1.05	0.46	0.46	2.82	4.06	1.68	1.03	0.70	0.79	3.29	0.86	2.45	1.05	2.59	0.77	1.80	0.90
1972-73 DELTA-P		1.51	0.48	-1.02	-0.76	1.12*	-1.05*	-1.84#	7.84#	13.39#	2.93#	-1.55	-1.26	-0.95	3.77	-1.38	3.79	-1.19	4.19	-2.05*	0.57	-0.67
1972-73 SE OF DP		1.41	1.23	0.77	0.89	0.51	0.48	0.40	2.41	3.89	1.15	1.02	0.74	0.75	3.14	0.98	2.28	1.08	2.30	0.84	1.51	0.60

EXERCISE: 303013-234 UU281

Part P2.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	1.19	2.21	0.83	0.57	1.29	1.06	1.32	0.74	3.49	2.76	2.28	1.14	0.83	0.78	2.90	0.62	3.04	2.09	1.27	1.45	1.15	0.42
1972-73 SE OF P-VAL	0.31	1.07	0.38	0.33	0.51	0.29	0.47	0.27	1.05	1.38	1.19	0.61	0.32	0.38	0.83	0.43	1.12	1.47	0.75	0.70	0.59	0.22
1972-73 DELTA-P		1.02	-0.36	-0.62	0.10	-0.13	0.13	-0.45#	2.30#	1.57	1.09	-0.05	-0.36	-0.41	1.71*	-0.57	1.85	0.90	0.08	0.26	-0.04	-0.77*
1972-73 SE OF DP		0.84	0.42	0.37	0.48	0.24	0.24	0.15	0.91	1.28	1.16	0.51	0.23	0.25	0.69	0.48	0.96	1.27	0.67	0.64	0.58	0.34
AGE: 17																						
1972-73 P-VALUE	1.33	1.26	1.98	1.44	0.69	1.32	1.34	0.53	5.24	3.93	2.82	2.71	1.45	0.27	6.58	1.10	5.22	0.12	2.04	2.15	0.22	0.60
1972-73 SE OF P-VAL	0.34	0.45	0.87	0.85	0.33	0.48	0.41	0.18	1.91	1.76	1.17	1.68	0.86	0.16	2.77	0.83	2.53	0.12	0.98	1.04	0.21	0.29
1972-73 DELTA-P		-0.07	0.65	0.11	-0.64	-0.01	0.01	-0.80*	3.91*	2.60	1.49	1.38	0.12	-1.05#	5.25	-0.23	3.89	-1.21#	0.71	0.82	-1.11#	-0.73
1972-73 SE OF DP		0.46	0.74	0.65	0.42	0.30	0.27	0.33	1.64	1.63	1.12	1.53	0.68	0.35	2.70	0.84	2.29	0.37	0.97	0.91	0.39	0.39
AGE: Ad																						
1972-73 P-VALUE	2.52	4.13	2.49	1.98	1.56	3.39	1.71	1.02	9.03	13.16	4.90	1.07	1.25	2.04	6.76	2.11	4.83	1.81	6.08	0.95	2.67	1.95
1972-73 SE OF P-VAL	0.58	1.79	0.87	0.68	0.76	0.96	0.39	0.43	2.49	3.96	1.56	0.86	0.56	0.79	3.29	0.96	2.08	1.05	2.35	0.77	1.44	0.84
1972-73 DELTA-P		1.61	-0.03	-0.54	-0.96	0.87	-0.81	-1.50#	6.51#	10.64#	2.38*	-1.45	-1.27	-0.48	4.24	-0.41	2.31	-0.71	3.56	-1.57	0.15	-0.57
1972-73 SE OF DP		1.36	0.88	0.73	0.78	0.46	0.43	0.35	2.12	3.80	1.12	0.93	0.66	0.71	3.12	1.01	1.95	1.04	2.17	0.81	1.20	0.55

RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
AGE: 13																						
1972-73 P-VALUE	81.52	79.59	76.37	85.67	82.74	81.25	81.79	86.89	52.08	67.87	67.96	68.98	82.62	88.74	70.64	84.63	59.41	88.79	75.99	86.51	82.97	82.15
1972-73 SE OF P-VAL	1.28	3.20	2.45	2.43	1.91	1.34	1.76	1.00	2.57	4.71	3.42	3.78	1.39	1.37	2.25	2.69	4.04	2.61	4.35	2.63	2.01	2.14
1972-73 DELTA-P		-1.93	-5.15*	4.15*	1.22	-0.27	0.27	5.37#	-29.44#	-13.65#	-13.56#	-12.54#	1.10	7.22#	-10.88#	3.11	-22.11#	7.27#	-5.53	4.99*	1.45	0.63
1972-73 SE OF DP		2.68	2.29	1.94	1.85	0.89	0.90	0.70	2.87	4.56	3.32	3.18	0.91	1.01	2.03	2.85	3.81	2.61	3.90	2.42	1.87	1.91
AGE: 17																						
1972-73 P-VALUE	90.36	93.25	86.93	90.49	90.07	90.30	90.41	94.68	69.12	76.41	83.16	83.27	90.25	94.54	73.73	94.13	78.04	97.98	85.76	91.74	90.95	90.13
1972-73 SE OF P-VAL	0.74	1.22	1.56	1.39	1.65	1.27	0.77	0.64	2.51	4.98	3.02	2.83	1.49	0.61	4.32	1.86	4.12	0.81	1.77	2.63	1.98	1.26
1972-73 DELTA-P		2.89#	-3.43*	0.13	-0.29	-0.06	0.05	4.32#	-21.24#	-13.95#	-7.20#	-7.09#	-0.11	4.18#	-16.63#	3.77*	-12.32#	7.62#	-4.60*	1.38	0.59	-0.23
1972-73 SE OF DP		1.11	1.38	1.17	1.40	0.76	0.70	0.68	2.33	4.77	2.76	2.62	1.13	0.65	4.35	1.79	3.83	0.96	1.91	2.35	1.97	1.13
AGE: Ad																						
1972-73 P-VALUE	86.38	83.73	83.35	90.62	86.86	85.35	87.33	90.82	60.93	66.56	79.27	85.87	87.90	93.32	74.97	88.58	74.63	92.20	78.37	84.59	85.97	89.04
1972-73 SE OF P-VAL	1.07	2.86	2.33	1.48	1.78	1.53	1.21	0.87	3.52	5.52	2.33	2.23	1.94	1.44	5.72	1.99	4.06	2.18	5.02	3.25	2.46	1.22
1972-73 DELTA-P		-2.65	-3.03	4.24#	0.48	-1.03	0.95	4.44#	-25.45#	-19.82#	-7.11#	-0.51	1.52	6.94#	-11.41*	2.20	-11.75#	5.82#	-8.01	-1.79	-0.41	2.66*
1972-73 SE OF DP		2.28	2.09	1.46	1.63	0.90	0.83	0.58	3.13	5.35	1.88	2.11	1.60	1.38	5.48	2.26	3.69	2.15	4.54	2.91	2.29	1.16

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 U0281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part G1.

		NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13	TEXT: No Response.																						
	1972-73 P-VALUE	0.76	0.81	1.57	0.30	0.57	0.77	0.75	0.52	2.73	0.00	2.41	1.65	0.50	0.32	1.44	1.23	0.70	0.47	0.69	0.54	0.76	0.87
	1972-73 SE OF P-VAL	0.21	0.40	0.65	0.22	0.42	0.24	0.33	0.19	1.21	0.00	1.93	0.91	0.27	0.21	0.62	0.64	0.53	0.46	0.51	0.42	0.44	0.33
	1972-73 DELTA-P		0.05	0.81	-0.46	-0.19	0.01	-0.01	-0.24	1.97	-0.76#	1.65	0.89	-0.26	-0.44*	0.68	0.47	-0.06	-0.29	-0.07	-0.22	0.00	0.11
	1972-73 SE OF DP		0.36	0.54	0.25	0.36	0.19	0.19	0.15	1.08	0.21	1.81	0.78	0.27	0.21	0.65	0.53	0.54	0.45	0.45	0.37	0.42	0.23
AGE: 17																							
	1972-73 P-VALUE	0.39	0.19	0.37	0.70	0.15	0.33	0.45	0.20	1.15	1.45	3.17	0.00	0.33	0.07	0.51	0.72	0.65	0.00	2.39	0.00	0.00	0.18
	1972-73 SE OF P-VAL	0.15	0.18	0.28	0.43	0.15	0.19	0.22	0.11	0.72	1.04	1.59	0.00	0.23	0.07	0.50	0.51	0.60	0.00	1.12	0.00	0.00	0.17
	1972-73 DELTA-P		-0.20	-0.02	0.39	-0.24	-0.06	0.06	-0.19	0.76	1.06	2.78	-0.39#	-0.06	-0.32*	0.12	0.33	0.26	-0.39#	2.00	-0.39#	-0.39#	-0.21
	1972-73 SE OF DP		0.19	0.26	0.32	0.18	0.15	0.14	0.12	0.63	1.00	1.47	0.15	0.21	0.15	0.50	0.50	0.55	0.15	1.02	0.15	0.15	0.18
AGE: Ad																							
	1972-73 P-VALUE	0.45	0.64	0.87	0.00	0.41	0.65	0.27	0.05	2.53	2.62	1.13	1.00	0.00	0.00	0.00	1.02	3.21	0.00	0.00	0.00	0.00	0.21
	1972-73 SE OF P-VAL	0.19	0.53	0.57	0.00	0.24	0.36	0.14	0.05	1.59	1.27	0.50	0.84	0.00	0.00	0.00	0.75	1.84	0.00	0.00	0.00	0.00	0.15
	1972-73 DELTA-P		0.19	0.42	-0.45*	-0.04	0.20	-0.18	-0.40*	2.08	2.17	0.68	0.55	-0.45*	-0.45*	-0.45*	0.57	2.76	-0.45*	-0.45*	-0.45*	-0.45*	-0.24
	1972-73 SE OF DP		0.42	0.48	0.19	0.25	0.20	0.19	0.18	1.42	1.21	0.39	0.72	0.19	0.19	0.19	0.72	1.67	0.19	0.19	0.19	0.19	0.20
RESPONSE: 03* AGE: 13	TEXT: All Acceptable Responses.																						
	1972-73 P-VALUE	92.51	90.82	89.76	95.99	92.25	92.14	92.88	94.13	84.72	86.11	81.67	87.94	92.93	96.50	86.86	88.44	91.10	96.09	92.80	92.00	93.80	92.55
	1972-73 SE OF P-VAL	0.74	1.53	1.84	1.19	1.13	1.00	0.82	0.72	2.95	2.26	4.45	1.84	1.00	0.72	2.06	3.45	1.77	1.49	2.00	2.10	1.70	1.21
	1972-73 DELTA-P		-1.69	-2.75	3.48#	-0.26	-0.37	0.37	1.62#	-7.79#	-6.40#	-10.84#	-4.57#	0.42	3.99#	-5.65#	-4.07	-1.41	3.58*	0.29	-0.51	1.29	0.04
	1972-73 SE OF DP		1.36	1.55	1.00	1.09	0.54	0.54	0.41	2.72	2.26	4.17	1.59	0.77	0.74	1.91	3.13	1.78	1.52	2.00	1.95	1.75	0.87
AGE: 17																							
	1972-73 P-VALUE	94.72	95.23	95.68	94.84	93.16	94.61	94.82	95.84	89.38	90.70	88.83	92.27	94.01	97.47	84.59	95.86	90.27	96.81	91.17	94.78	94.65	95.90
	1972-73 SE OF P-VAL	0.64	0.66	1.14	1.63	1.30	0.96	0.76	0.61	2.59	2.54	3.03	1.92	1.21	0.47	4.24	2.07	2.71	1.26	2.03	1.88	1.27	0.85
	1972-73 DELTA-P		0.51	0.96	0.12	-1.56	-0.11	0.10	1.12#	-5.34*	-4.02	-5.89*	-2.45	-0.71	2.75#	-10.13#	1.14	-4.45	2.09	-3.55	0.06	-0.07	1.08
	1972-73 SE OF DP		0.78	1.07	1.23	1.14	0.61	0.56	0.41	2.36	2.35	2.76	1.80	0.98	0.54	4.04	2.01	2.42	1.25	1.85	1.64	1.32	0.83
AGE: Ad																							
	1972-73 P-VALUE	92.97	91.32	87.68	96.26	95.28	91.91	93.96	94.67	81.04	89.54	88.81	89.22	94.41	98.49	86.22	92.94	86.10	94.20	93.66	95.03	94.21	93.06
	1972-73 SE OF P-VAL	0.73	1.22	2.49	0.97	1.17	0.99	0.84	0.65	3.32	3.24	1.51	2.13	1.31	0.59	5.00	1.78	3.03	2.25	2.87	1.35	1.51	1.18
	1972-73 DELTA-P		-1.65	-5.29#	3.29#	2.31*	-1.06	0.99	1.70#	-11.93#	-3.43	-4.16#	-3.75	1.44	5.52#	-6.75	-0.03	-6.87*	1.23	0.69	2.06	1.24	0.09
	1972-73 SE OF DP		1.13	2.06	0.96	1.08	0.59	0.53	0.45	3.00	3.08	1.18	1.89	1.09	0.80	4.92	1.82	2.89	2.08	2.73	1.26	1.43	0.91
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																						
	1972-73 P-VALUE	1.89	2.49	2.34	1.11	1.89	1.95	1.83	1.27	5.28	3.45	2.45	1.70	1.76	0.87	5.26	1.11	3.12	1.48	3.01	2.13	1.50	1.60
	1972-73 SE OF P-VAL	0.29	0.79	0.58	0.32	0.59	0.45	0.33	0.28	1.26	1.39	1.39	0.89	0.53	0.28	1.28	0.79	0.97	0.73	0.80	0.87	0.55	0.54
	1972-73 DELTA-P		0.60	0.45	-0.78*	0.00	0.06	-0.06	-0.62#	3.39#	1.56	0.56	-0.19	-0.13	-1.02#	3.37#	-0.78	1.23	-0.41	1.12	0.24	-0.39	-0.29
	1972-73 SE OF DP		0.65	0.52	0.34	0.51	0.27	0.27	0.19	1.14	1.36	1.34	0.87	0.43	0.32	1.13	0.80	0.91	0.69	0.75	0.77	0.57	0.45
AGE: 17																							
	1972-73 P-VALUE	2.31	2.63	1.60	1.71	3.32	2.21	2.40	1.85	4.35	4.31	5.27	3.00	2.64	1.40	3.61	1.65	4.65	3.07	3.65	2.02	2.01	1.31
	1972-73 SE OF P-VAL	0.39	0.59	0.40	0.91	0.94	0.55	0.53	0.38	1.45	1.64	2.10	1.17	0.87	0.41	2.03	1.18	2.00	1.24	1.51	0.98	0.86	0.36
	1972-73 DELTA-P		0.32	-0.71	-0.60	1.01	-0.10	0.09	-0.46*	2.04	2.00	2.96	0.69	0.33	-0.91*	1.30	-0.66	2.34	0.76	1.34	-0.29	-0.30	-1.00*
	1972-73 SE OF DP		0.56	0.50	0.70	0.79	0.39	0.35	0.23	1.32	1.53	1.92	1.18	0.71	0.37	2.01	1.16	1.82	1.09	1.40	0.92	0.86	0.47
AGE: Ad																							
	1972-73 P-VALUE	2.31	3.35	3.09	1.41	1.64	1.95	2.65	1.93	4.58	3.80	3.84	2.90	1.72	0.63	6.72	0.90	4.69	2.33	1.13	2.41	3.03	2.05
	1972-73 SE OF P-VAL	0.43	0.76	1.13	0.73	0.56	0.59	0.50	0.41	1.34	1.71	0.78	1.08	0.68	0.32	3.26	0.60	1.58	1.22	0.85	1.02	1.33	0.48
	1972-73 DELTA-P		1.04	0.78	-0.90	-0.67	-0.36	0.34	-0.38*	2.27	1.49	1.53#	0.59	-0.59	-1.68#	4.41	-1.41*	2.38	0.02	-1.18	0.10	0.72	-0.26
	1972-73 SE OF DP		0.67	0.96	0.62	0.55	0.38	0.36	0.19	1.20	1.67	0.59	0.90	0.53	0.44	3.29	0.68	1.44	1.07	0.85	1.01	1.19	0.37

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 UU281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part G2.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.94	1.74	0.92	0.57	0.66	0.70	1.18	0.64	2.55	1.71	0.00	0.89	0.56	0.56	3.47	0.98	2.61	1.24	1.08	0.44	0.60	0.74
1972-73 SE OF P-VAL	0.22	0.70	0.43	0.29	0.28	0.22	0.33	0.22	0.78	0.86	0.00	0.66	0.23	0.29	1.08	0.79	1.03	0.97	0.71	0.28	0.32	0.33
1972-73 DELTA-P		0.80	-0.02	-0.37	-0.28	-0.24	0.24	-0.30#	1.61*	0.77	-0.94#	-0.05	-0.38	-0.38	2.53#	0.04	1.67	0.30	0.14	-0.50	-0.34	-0.20
1972-73 SE OF DP		0.56	0.39	0.28	0.29	0.18	0.18	0.11	0.72	0.77	0.22	0.59	0.25	0.23	0.97	0.74	0.94	0.86	0.70	0.32	0.35	0.30
AGE: 17																						
1972-73 P-VALUE	1.07	1.56	0.80	1.02	0.83	0.83	1.29	0.69	2.33	3.62	3.18	2.16	0.77	0.47	3.48	0.28	4.74	1.08	1.69	0.00	0.48	0.71
1972-73 SE OF P-VAL	0.24	0.56	0.35	0.43	0.53	0.29	0.42	0.23	0.68	1.80	1.50	1.09	0.42	0.25	2.03	0.28	1.26	0.75	1.22	0.00	0.30	0.35
1972-73 DELTA-P		0.49	-0.27	-0.05	-0.24	-0.24	0.22	-0.38*	1.26*	2.55	2.11	1.09	-0.30	-0.60*	2.41	-0.79*	3.67#	0.01	0.62	-1.07#	-0.59	-0.36
1972-73 SE OF DP		0.45	0.36	0.37	0.45	0.29	0.27	0.16	0.62	1.70	1.38	0.99	0.40	0.27	1.98	0.36	1.15	0.67	1.14	0.24	0.37	0.33
AGE: Ad																						
1972-73 P-VALUE	1.65	2.91	2.47	0.87	0.61	1.06	2.20	1.33	3.87	2.39	2.98	1.95	1.15	0.18	6.73	0.90	4.12	1.97	0.48	1.93	1.24	1.39
1972-73 SE OF P-VAL	0.31	0.73	0.66	0.63	0.33	0.39	0.45	0.33	1.24	0.94	0.70	0.89	0.60	0.18	3.26	0.56	1.54	1.19	0.48	0.92	0.64	0.37
1972-73 DELTA-P		1.26*	0.82	-0.78	-1.04#	-0.59	0.55	-0.32	2.22	0.74	1.33*	0.30	-0.50	-1.47#	5.08	-0.75	2.47	0.32	-1.17#	0.28	-0.41	-0.26
1972-73 SE OF DP		0.60	0.60	0.51	0.38	0.30	0.29	0.17	1.17	0.91	0.56	0.80	0.45	0.33	3.27	0.62	1.37	1.03	0.45	0.91	0.70	0.35
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	96.57	96.64	95.80	96.79	96.91	95.80	97.34	97.22	93.25	94.39	91.78	95.61	96.82	98.25	93.47	94.96	93.65	97.73	96.44	98.61	95.80	96.73
1972-73 SE OF P-VAL	0.51	0.96	1.47	0.97	0.58	0.68	0.50	0.54	1.23	1.65	3.51	1.50	0.67	0.48	1.40	2.57	1.81	1.17	1.36	0.69	1.16	0.90
1972-73 DELTA-P		0.07	-0.77	0.22	0.34	-0.77*	0.77*	0.65#	-3.32#	-2.18	-4.79	-0.96	0.25	1.68#	-3.10#	-1.61	-2.92	1.16	-0.13	2.04#	-0.77	0.16
1972-73 SE OF DP		0.87	1.22	0.80	0.65	0.32	0.32	0.25	1.13	1.56	3.27	1.23	0.60	0.57	1.15	2.23	1.75	1.16	1.35	0.75	1.15	0.73
AGE: 17																						
1972-73 P-VALUE	97.75	96.94	98.11	97.71	98.37	97.60	97.89	98.42	94.78	94.88	94.30	95.42	98.93	98.69	90.93	98.40	91.54	98.53	98.32	98.41	97.83	98.60
1972-73 SE OF P-VAL	0.38	0.81	0.72	0.83	0.58	0.53	0.54	0.38	1.21	1.98	2.12	1.79	0.44	0.36	3.33	1.06	1.31	1.02	1.22	1.18	0.86	0.60
1972-73 DELTA-P		-0.81	0.36	-0.04	0.62	-0.15	0.14	0.67#	-2.97#	-2.87	-3.45	-2.33	1.18*	0.94*	-6.82*	0.65	-6.21#	0.78	0.57	0.66	0.08	0.85
1972-73 SE OF DP		0.67	0.67	0.66	0.56	0.40	0.36	0.21	1.12	1.86	1.99	1.61	0.49	0.38	3.15	1.07	1.23	1.00	1.19	1.05	0.86	0.53
AGE: Ad																						
1972-73 P-VALUE	94.50	93.36	92.25	95.76	96.05	95.54	93.53	95.40	87.04	94.89	91.04	92.94	96.40	97.31	88.90	94.19	91.71	97.12	91.79	91.90	96.41	95.13
1972-73 SE OF P-VAL	0.63	1.36	1.36	0.91	1.40	0.64	0.99	0.61	2.90	1.72	1.16	1.77	0.88	0.97	4.01	1.89	1.98	1.29	3.09	2.50	1.30	0.79
1972-73 DELTA-P		-1.14	-2.25	1.26	1.55	1.04	-0.97	0.90#	-7.46#	0.39	-3.46#	-1.56	1.90*	2.81#	-5.60	-0.31	-2.79	2.62	-2.71	-2.60	1.91	0.63
1972-73 SE OF DP		1.15	1.22	0.86	1.16	0.57	0.54	0.34	2.66	1.80	1.04	1.53	0.79	0.70	3.88	1.90	1.84	1.36	2.74	2.23	1.37	0.73

EXERCISE: 303013-234 UU281

Part N1.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.69	0.92	1.51	0.13	0.44	0.65	0.73	0.37	3.17	0.00	2.41	1.07	0.55	0.25	1.39	1.12	1.37	0.46	0.46	0.25	0.51	0.86
1972-73 SE OF P-VAL	0.20	0.48	0.66	0.10	0.24	0.21	0.33	0.14	1.25	0.00	1.93	0.81	0.26	0.15	0.63	0.68	0.73	0.46	0.45	0.19	0.37	0.33
1972-73 DELTA-P		0.23	0.82	-0.56#	-0.25	-0.04	0.04	-0.32*	2.48*	-0.69#	1.72	0.38	-0.14	-0.44*	0.70	0.43	0.68	-0.23	-0.23	-0.44	-0.18	0.17
1972-73 SE OF DP		0.40	0.54	0.20	0.26	0.20	0.20	0.15	1.10	0.20	1.80	0.67	0.25	0.19	0.67	0.57	0.69	0.42	0.43	0.25	0.37	0.23
AGE: 17																						
1972-73 P-VALUE	0.47	0.41	0.50	0.65	0.30	0.56	0.39	0.29	0.90	2.06	3.17	0.55	0.33	0.12	0.50	1.51	0.00	0.40	2.03	0.00	0.00	0.35
1972-73 SE OF P-VAL	0.17	0.29	0.31	0.39	0.29	0.26	0.22	0.13	0.69	1.50	1.66	0.55	0.23	0.11	0.50	0.94	0.00	0.41	1.10	0.00	0.00	0.25
1972-73 DELTA-P		-0.06	0.03	0.18	-0.17	0.09	-0.08	-0.18	0.43	1.59	2.70	0.08	-0.14	-0.35*	0.03	1.04	-0.47#	-0.07	1.56	-0.47#	-0.47#	-0.12
1972-73 SE OF DP		0.26	0.29	0.31	0.27	0.18	0.16	0.13	0.61	1.43	1.55	0.52	0.23	0.17	0.51	0.88	0.17	0.38	1.01	0.17	0.17	0.22
AGE: Ad																						
1972-73 P-VALUE	0.28	0.12	1.03	0.00	0.14	0.36	0.20	0.09	1.29	1.31	1.08	0.00	0.00	0.00	0.00	0.96	1.48	0.00	0.00	0.00	0.00	0.19
1972-73 SE OF P-VAL	0.13	0.13	0.59	0.00	0.14	0.24	0.16	0.05	1.02	0.92	0.49	0.00	0.00	0.00	0.00	0.48	1.16	0.00	0.00	0.00	0.00	0.14
1972-73 DELTA-P		-0.16	0.75	-0.28*	-0.14	0.08	-0.08	-0.19	1.01	1.03	0.80*	-0.28*	-0.28*	-0.28*	-0.28*	0.68	1.20	-0.28*	-0.28*	-0.28*	-0.28*	-0.09
1972-73 SE OF DP		0.16	0.47	0.13	0.16	0.16	0.15	0.12	0.91	0.86	0.36	0.13	0.13	0.13	0.13	0.43	1.06	0.13	0.13	0.13	0.13	0.13

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 UU201

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part #1.

RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	43.25	42.76	39.74	45.34	44.21	46.77	39.72	44.31	37.97	39.39	39.67	46.13	42.97	45.23	37.41	41.17	32.61	52.12	40.76	42.41	41.53	45.52
1972-73 SE OF P-VAL	1.28	2.61	2.47	2.45	2.68	1.86	1.67	1.45	2.56	4.25	3.78	3.68	2.05	2.06	3.25	2.56	2.91	3.92	4.23	3.17	4.11	2.38
1972-73 DELTA-P		-0.49	-3.51	2.09	0.96	3.52#	-3.53#	1.06*	-5.28*	-3.86	-3.58	2.88	-0.28	1.98	-5.84	-2.08	-10.64#	8.87*	-2.49	-0.84	-1.72	2.27
1972-73 SE OF DP		2.30	2.26	2.01	2.29	1.23	1.22	0.52	2.51	4.07	3.91	3.37	1.54	1.47	3.08	2.55	3.17	3.57	3.95	2.98	3.70	1.95
AGE: 17																						
1972-73 P-VALUE	47.78	45.59	43.62	50.99	49.97	48.15	47.44	49.50	38.35	44.41	35.54	43.79	45.93	52.05	42.96	46.31	42.17	49.53	45.74	45.70	56.94	47.16
1972-73 SE OF P-VAL	1.55	3.01	3.17	2.97	3.14	1.56	2.07	1.73	3.16	6.77	5.20	3.78	1.87	1.93	5.13	4.60	4.90	5.93	3.58	4.70	3.16	1.67
1972-73 DELTA-P		-2.19	-4.16	3.21	2.19	0.37	-0.34	1.72*	-9.43#	-3.37	-12.24*	-3.99	-1.85	4.27#	-4.82	-1.47	-5.61	1.75	-2.04	-2.08	9.16#	-0.62
1972-73 SE OF DP		2.58	2.07	2.47	2.75	1.05	0.96	0.74	3.00	6.61	5.02	3.24	1.47	1.21	4.95	4.39	4.84	5.10	3.51	4.13	3.24	1.76
AGE: Ad																						
1972-73 P-VALUE	35.26	36.91	33.18	33.60	37.07	37.20	33.46	36.93	25.89	27.43	25.30	37.02	34.80	45.99	24.27	31.87	33.28	46.54	35.82	34.70	33.63	32.96
1972-73 SE OF P-VAL	1.35	2.73	2.19	2.90	2.75	1.96	1.57	1.45	3.29	4.58	2.18	3.39	1.80	2.48	7.24	5.19	4.66	5.39	5.34	4.01	5.29	1.81
1972-73 DELTA-P		1.65	-2.08	-1.66	1.81	1.94	-1.80	1.67#	-9.37#	-7.83	-9.96#	1.76	-0.46	10.73#	-10.99	-3.39	-1.98	11.28*	0.56	-0.56	-1.63	-2.30
1972-73 SE OF DP		2.36	2.15	2.36	2.34	1.19	1.08	0.51	3.21	4.33	1.83	2.97	1.43	2.05	7.04	5.06	4.54	4.90	5.23	4.04	4.82	1.67

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	9.57	8.52	9.53	10.50	9.46	6.85	12.29	9.27	12.27	8.10	11.53	10.52	9.50	8.75	10.80	9.11	12.32	10.33	12.52	11.37	5.38	8.35
1972-73 SE OF P-VAL	0.86	1.63	1.98	1.50	1.87	0.85	1.13	0.97	1.72	2.08	2.40	2.39	1.20	1.07	1.84	2.05	1.91	2.33	3.07	2.56	1.28	1.51
1972-73 DELTA-P		-1.05	-0.04	0.93	-0.11	-2.72#	2.72#	-0.30	2.70	-1.47	1.96	0.95	-0.07	-0.82	1.23	-0.46	2.75	0.76	2.95	1.80	-4.19#	-1.22
1972-73 SE OF DP		1.47	1.72	1.28	1.57	0.53	0.54	0.30	1.65	2.05	2.49	2.17	0.86	0.71	1.49	2.63	1.98	2.19	2.88	2.31	1.32	1.26
AGE: 17																						
1972-73 P-VALUE	8.45	5.24	7.94	8.88	11.91	7.59	9.24	7.73	10.38	14.37	16.77	13.01	7.46	6.64	9.83	11.24	9.25	7.91	11.95	11.90	4.17	6.80
1972-73 SE OF P-VAL	0.86	1.18	1.45	2.00	1.80	0.88	1.11	0.96	1.61	3.13	3.72	2.50	1.06	0.89	3.20	3.74	2.40	1.79	1.87	2.36	1.30	1.62
1972-73 DELTA-P		-3.21#	-0.51	0.43	3.46*	-0.86	0.79	-0.72*	1.93	5.92	8.32#	4.56*	-0.99	-1.81#	1.38	2.79	0.80	-0.54	3.50	3.45	-4.28#	-1.65
1972-73 SE OF DP		1.16	1.39	1.56	1.54	0.54	0.49	0.34	1.57	3.05	3.30	2.21	0.88	0.63	3.18	3.50	2.15	1.61	1.91	2.11	1.56	1.32
AGE: Ad																						
1972-73 P-VALUE	12.98	12.36	14.47	14.36	10.95	8.39	17.25	12.67	11.82	20.01	19.21	12.77	13.79	8.49	26.00	18.37	14.99	8.46	11.25	7.87	13.39	14.79
1972-73 SE OF P-VAL	0.88	1.75	1.48	2.17	1.27	1.12	1.30	1.03	2.19	4.07	2.07	2.22	1.56	1.10	7.25	3.14	2.90	1.74	3.22	1.51	2.53	1.62
1972-73 DELTA-P		-0.62	1.49	1.38	-2.03	-4.59#	4.27#	-0.31	-1.16	7.03	6.23#	-0.21	0.81	-4.49#	13.02	5.39	2.01	-4.52#	-1.73	-5.11#	0.41	1.81
1972-73 SE OF DP		1.52	1.45	1.68	1.24	0.90	0.81	0.40	2.19	4.04	1.74	1.93	1.48	1.20	7.02	3.07	2.82	1.62	3.07	1.54	2.42	1.18

EXERCISE: 303013-234 UU201

Part #2.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	4.50	5.35	3.13	4.89	4.42	3.07	5.94	4.04	7.98	3.65	4.38	3.43	4.80	3.48	7.74	2.29	8.45	7.11	6.49	4.88	2.81	2.97
1972-73 SE OF P-VAL	0.48	1.19	0.87	0.70	1.09	0.55	0.72	0.57	1.60	1.34	1.66	1.25	0.80	0.66	1.54	1.17	1.57	2.14	1.21	1.67	0.91	0.66
1972-73 DELTA-P		0.85	-1.37	0.39	-0.08	-1.43#	1.44#	-0.46	3.48*	-0.85	-0.12	-1.07	0.30	-1.02*	3.24#	-2.21	3.95#	2.61	1.99	0.38	-1.69	-1.53#
1972-73 SE OF DP		1.00	0.80	0.66	0.91	0.41	0.43	0.25	1.61	1.24	1.63	1.27	0.62	0.43	1.40	1.19	1.53	1.93	1.19	1.52	0.91	0.59
AGE: 17																						
1972-73 P-VALUE	3.84	3.30	3.00	4.58	4.27	3.11	4.50	3.38	5.58	6.47	7.65	5.15	3.03	3.18	6.78	2.01	6.11	3.01	7.55	5.80	0.89	3.15
1972-73 SE OF P-VAL	0.47	0.60	0.82	0.95	1.24	0.57	0.72	0.51	1.47	1.97	2.24	1.40	0.71	0.64	2.87	1.14	1.80	1.08	1.35	1.49	0.49	0.60
1972-73 DELTA-P		-0.54	-0.84	0.74	0.43	-0.73	0.66	-0.46	1.74	2.63	3.81	1.31	-0.81	-0.66	2.94	-1.83	2.27	-0.83	3.71#	1.96	-2.95#	-0.69
1972-73 SE OF DP		0.62	0.78	0.78	1.01	0.48	0.43	0.28	1.36	1.94	2.13	1.32	0.60	0.46	2.85	1.10	1.62	1.05	1.23	1.26	0.65	0.59
AGE: Ad																						
1972-73 P-VALUE	9.74	10.33	10.82	9.49	8.58	6.07	13.15	9.41	9.63	15.03	14.48	11.02	9.33	3.38	22.00	13.00	13.88	6.88	9.59	5.14	9.97	10.45
1972-73 SE OF P-VAL	0.71	1.78	1.26	1.24	1.27	1.06	1.07	0.81	2.22	2.98	1.77	2.31	1.34	0.91	7.70	2.04	2.77	1.49	2.45	1.57	2.30	1.18
1972-73 DELTA-P		0.59	1.08	-0.25	-1.16	-3.67#	3.41#	-0.33	-0.11	5.29	4.74#	1.28	-0.41	-6.36#	12.26	3.26	4.14	-2.86*	-0.15	-4.60#	0.23	0.71
1972-73 SE OF DP		1.44	1.20	1.09	1.12	0.81	0.76	0.32	2.14	2.97	1.50	2.13	1.28	1.06	7.48	2.03	2.66	1.37	2.39	1.44	2.15	0.91

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 U0281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part H2.

RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	34.81	32.11	33.99	35.65	37.02	33.57	36.06	34.75	33.11	39.33	36.11	37.87	33.44	35.29	34.01	33.36	35.25	36.53	33.08	38.05	31.85	34.78
1972-73 SE OF P-VAL	1.17	2.29	2.47	2.25	2.31	1.49	1.49	1.39	2.02	3.95	4.90	3.36	1.71	2.14	2.81	3.84	1.96	2.32	3.20	2.78	3.46	2.45
1972-73 DELTA-P		-2.70	-0.82	0.84	2.21	-1.24	1.25	-0.06	-1.70	4.52	1.30	3.06	-1.37	0.48	-0.80	-1.45	0.44	1.72	-1.73	3.24	-2.96	-0.03
1972-73 SE OF DP		2.02	2.21	1.84	2.02	0.92	0.93	0.44	2.04	4.04	4.84	3.32	1.42	1.37	2.91	3.51	2.25	2.30	3.03	2.55	3.15	1.98

AGE: 17

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	25.98	22.11	25.02	26.42	30.55	25.61	26.32	26.44	22.06	28.22	27.60	39.19	25.19	23.24	27.26	28.78	25.01	24.35	21.04	30.95	24.52	25.63
1972-73 SE OF P-VAL	1.28	1.87	2.53	3.05	2.34	1.79	1.51	1.37	2.93	4.07	3.03	3.38	2.06	1.69	4.51	4.10	3.53	2.58	4.49	3.79	3.05	2.23
1972-73 DELTA-P		-3.87*	-0.96	0.44	4.57*	-0.37	0.34	0.46	-3.92	2.24	1.62	13.21#	-0.79	-2.74#	1.28	2.80	-0.97	-1.03	-4.94	4.97	-1.46	-0.35
1972-73 SE OF DP		1.80	2.31	2.36	2.13	1.10	1.00	0.55	2.63	3.90	2.85	3.15	1.60	1.05	4.42	3.95	3.43	2.46	4.19	3.44	2.79	1.79

AGE: Ad

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	31.66	33.54	26.45	35.42	30.02	32.01	31.34	31.40	31.28	36.44	28.17	36.55	33.87	28.73	40.75	33.02	34.75	29.23	29.86	33.21	25.70	33.08
1972-73 SE OF P-VAL	1.07	2.26	1.91	1.39	2.69	1.67	1.50	1.12	3.57	5.30	2.27	2.88	1.98	2.75	9.90	4.08	3.52	4.10	4.19	4.67	2.60	1.49
1972-73 DELTA-P		1.88	-5.21#	3.76#	-1.64	0.35	-0.32	-0.26	-0.38	4.78	-3.49	4.89	2.21	-2.93	9.09	1.36	3.09	-2.43	-1.80	1.55	-5.96*	1.42
1972-73 SE OF DP		1.94	1.82	1.39	2.14	1.22	1.13	0.52	3.38	5.01	2.06	2.68	1.66	2.49	9.90	3.98	3.16	3.64	4.09	4.41	2.58	1.47

EXERCISE: 303013-234 U0281

Part I1.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.70	0.42	1.34	0.76	0.33	0.56	0.84	0.54	2.07	0.00	2.41	1.07	0.95	0.31	0.34	[illegible]	0.58	0.46	0.00	0.19	0.76	0.80
1972-73 SE OF P-VAL	0.26	0.35	0.87	0.49	0.24	0.21	0.48	0.22	1.52	0.00	1.93	0.81	0.51	0.17	0.24	1.39	0.42	0.46	0.00	0.20	0.44	0.47
1972-73 DELTA-P		-0.28	0.64	0.06	-0.37	-0.14	0.14	-0.16	1.37	-0.70#	1.71	0.37	0.25	-0.39	-0.36	1.56	-0.12	-0.24	-0.70#	-0.51	0.06	0.10
1972-73 SE OF DP		0.36	0.70	0.40	0.31	0.27	0.27	0.19	1.34	0.26	1.76	0.64	0.41	0.25	0.33	1.22	0.43	0.45	0.26	0.30	0.45	0.34

AGE: 17

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.44	0.27	0.50	0.54	0.46	0.45	0.43	0.15	1.29	2.73	3.99	0.58	0.20	0.00	0.50	1.16	1.28	0.00	1.60	0.00	0.23	0.17
1972-73 SE OF P-VAL	0.17	0.27	0.30	0.39	0.33	0.23	0.24	0.10	0.73	1.56	1.76	0.43	0.19	0.00	0.50	0.90	0.67	0.00	1.11	0.00	0.21	0.17
1972-73 DELTA-P		-0.17	0.06	0.10	0.02	0.01	-0.01	-0.29	0.85	2.29	3.55*	0.14	-0.24	-0.44#	0.06	0.72	0.84	-0.44#	1.16	-0.44#	-0.21	-0.27
1972-73 SE OF DP		0.25	0.28	0.31	0.29	0.17	0.16	0.15	0.63	1.47	1.62	0.40	0.21	0.17	0.51	0.85	0.59	0.17	1.01	0.17	0.25	0.20

AGE: Ad

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.34	0.64	0.67	0.00	0.14	0.56	0.14	0.00	2.54	1.32	0.80	0.83	0.00	0.00	0.00	0.47	2.90	0.00	0.00	0.00	0.00	0.10
1972-73 SE OF P-VAL	0.18	0.53	0.53	0.00	0.14	0.35	0.09	0.00	1.59	0.92	0.45	0.82	0.00	0.00	0.00	0.50	1.82	0.00	0.00	0.00	0.00	0.09
1972-73 DELTA-P		0.30	0.33	-0.34	-0.20	0.22	-0.20	-0.34	2.20	0.98	0.46	0.49	-0.34	-0.34	-0.34	0.13	2.56	-0.34	-0.34	-0.34	-0.34	-0.24
1972-73 SE OF DP		0.41	0.44	0.18	0.20	0.19	0.17	0.18	1.42	0.88	0.35	0.70	0.18	0.18	0.18	0.49	1.65	0.18	0.18	0.18	0.18	0.18

RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	75.08	74.93	75.41	75.27	74.71	75.08	75.08	77.94	64.43	57.12	67.29	71.29	74.83	80.23	66.50	73.42	60.95	78.45	69.01	76.44	81.76	76.84
1972-73 SE OF P-VAL	1.02	2.50	2.29	1.78	1.69	1.46	1.38	1.03	2.91	3.84	3.82	3.03	1.35	1.43	1.05	3.51	4.21	3.57	4.16	2.27	1.76	2.00
1972-73 DELTA-P		-0.15	0.33	0.19	-0.37	0.00	0.00	2.86#	-10.65#	-17.96#	-7.79*	-3.79	-0.65	5.15#	-8.58#	-1.66	-14.13#	3.37	-6.05	1.36	6.68#	1.76
1972-73 SE OF DP		2.09	[illegible]	1.52	1.57	0.98	0.98	0.53	2.74	3.24	3.57	2.97	1.11	1.14	2.65	3.60	3.96	3.31	3.86	2.18	1.85	1.73

AGE: 17

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	86.44	86.55	87.79	86.91	84.55	84.67	88.05	89.09	77.30	69.23	77.16	80.91	85.59	90.95	70.73	81.96	77.72	89.01	83.91	86.67	88.77	88.71
1972-73 SE OF P-VAL	1.03	2.02	1.29	2.25	2.25	1.34	1.27	0.97	2.82	4.32	3.54	3.07	1.79	1.23	5.35	3.10	4.71	2.99	3.29	2.58	2.35	1.28
1972-73 DELTA-P		0.11	1.35	0.47	-1.89	-1.77*	1.61*	2.65#	-9.14#	-17.21#	-9.28#	-5.53	-0.85	4.51#	-15.71#	-4.48	-8.72*	2.57	-2.53	0.23	2.33	2.27
1972-73 SE OF DP		1.73	1.41	1.78	1.94	0.84	0.76	0.62	2.40	4.20	3.34	2.98	1.28	0.99	5.16	3.08	4.34	2.57	3.16	2.50	2.27	1.25

AGE: Ad

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	88.99	86.52	85.52	93.40	89.47	86.04	91.73	91.98	70.54	78.20	85.08	84.91	90.71	94.12	82.27	90.92	79.59	93.63	82.68	91.38	88.51	90.00
1972-73 SE OF P-VAL	0.79	1.75	1.85	0.77	1.90	1.38	0.85	0.74	4.02	4.74	1.73	2.20	1.23	1.30	5.18	1.97	3.64	1.64	3.60	2.10	2.06	1.36
1972-73 DELTA-P		-2.47	-3.47*	4.41#	0.48	-2.95#	2.74#	2.99#	-18.45#	-10.79*	-3.91#	-4.08*	1.72	5.13#	-6.72	1.93	-9.40#	4.64#	-6.31	2.39	-0.48	1.01
1972-73 SE OF DP		1.44	1.64	0.96	1.47	0.86	0.80	0.52	3.90	4.46	1.29	1.92	1.10	1.29	5.29	1.96	3.50	1.71	3.36	1.88	2.00	1.13

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234   U0281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part 11.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	8.32	5.82	9.72	8.79	8.87	8.24	8.40	7.53	9.87	16.20	10.11	14.00	8.31	6.41	9.73	9.24	11.65	3.02	9.92	8.80	6.89	8.92
1972-73 SE OF P-VAL	0.59	1.10	1.25	1.18	1.03	0.97	0.88	0.66	1.14	3.31	2.52	2.49	1.21	0.85	1.64	2.24	2.10	1.05	1.91	1.56	0.92	1.62
1972-73 DELTA-P		-2.50#	1.40	0.47	0.55	-0.08	0.08	-0.79#	1.55	7.88*	1.79	5.68*	-0.01	-1.91#	1.41	0.92	3.33	-5.30#	1.60	0.48	-1.43	0.60
1972-73 SE OF DP		0.97	1.10	0.95	0.94	0.71	0.71	0.26	1.17	3.16	2.38	2.37	0.96	0.75	1.58	2.30	1.97	1.10	1.84	1.46	0.91	1.33
AGE: 17																						
1972-73 P-VALUE	7.56	7.15	6.39	6.76	10.02	8.33	6.86	6.11	11.69	18.92	13.34	11.85	8.23	4.62	15.79	8.92	11.26	5.53	9.86	10.01	5.81	5.91
1972-73 SE OF P-VAL	0.63	1.05	0.84	1.39	1.48	0.96	0.84	0.65	1.62	2.39	2.51	2.29	1.18	0.87	4.15	2.81	2.50	1.77	2.34	1.97	1.57	0.97
1972-73 DELTA-P		-0.41	-1.17	-0.90	2.46	0.77	-0.70	-1.45#	4.13#	11.36#	5.78*	4.29	0.67	-2.94#	8.23*	1.36	3.70	-2.03	2.30	2.45	-1.75	-1.65
1972-73 SE OF DP		0.96	0.89	1.09	1.26	0.67	0.61	0.34	1.46	2.34	2.47	2.15	0.98	0.72	4.06	2.74	2.33	1.64	2.23	1.84	1.58	0.86
AGE: Ad																						
1972-73 P-VALUE	3.15	3.00	4.46	1.74	3.73	3.85	2.50	2.06	7.85	10.92	5.02	3.66	2.27	1.25	10.30	2.02	5.99	1.64	5.16	2.15	3.84	2.90
1972-73 SE OF P-VAL	0.47	0.80	1.30	0.57	1.08	0.78	0.47	0.34	2.03	2.33	1.05	1.09	0.67	0.70	4.07	1.12	2.09	0.99	1.99	1.08	1.42	0.56
1972-73 DELTA-P		-0.15	1.31	-1.41*	0.58	0.70	-0.65	-1.09#	4.70#	7.77#	1.87*	0.51	-0.88	-1.90#	[illegible]	-1.13	2.84	-1.51	2.01	-1.00	0.69	-0.25
1972-73 SE OF DP		0.73	1.10	0.59	0.88	0.45	0.41	0.25	1.76	2.20	0.79	0.93	0.59	0.70	[illegible]	1.12	1.95	0.96	[illegible]	0.98	1.23	0.42

EXERCISE: 303013-234   U0281

Part 12.

RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	4.09	4.63	4.89	3.59	3.50	3.91	4.27	3.24	6.42	11.22	4.04	5.89	3.69	3.01	7.23	4.85	5.92	3.13	5.46	4.01	3.98	3.24
1972-73 SE OF P-VAL	0.43	1.11	0.81	0.79	0.69	0.68	0.68	0.42	0.84	3.10	1.79	1.59	0.74	0.64	1.43	1.54	1.77	1.28	1.77	1.13	0.79	0.81
1972-73 DELTA-P		0.54	0.80	-0.50	-0.59	-0.18	0.18	-0.85#	2.33*	7.13*	-0.05	1.80	-0.40	-1.08*	3.14*	0.76	1.83	-0.96	1.37	-0.06	-0.11	-0.85
1972-73 SE OF DP		0.92	0.75	0.66	0.64	0.53	0.53	0.19	0.94	2.88	1.68	1.55	0.63	0.50	1.33	1.55	1.64	1.10	1.66	1.04	0.79	0.74
AGE: 17																						
1972-73 P-VALUE	3.23	4.08	2.45	3.48	2.68	3.09	3.36	2.44	6.08	8.10	6.20	3.45	3.44	1.87	11.40	1.67	7.73	2.74	5.38	4.15	0.75	2.39
1972-73 SE OF P-VAL	0.50	1.05	0.67	1.09	1.00	0.65	0.62	0.45	2.11	2.39	1.98	1.22	1.04	0.57	3.70	1.08	2.94	1.20	1.99	1.31	0.38	0.76
1972-73 DELTA-P		0.85	-0.78	0.25	-0.55	-0.14	0.13	-0.79*	2.65	4.87*	2.97	0.22	0.21	-1.36#	8.17*	-1.56	4.50	-0.49	2.15	0.92	-2.48#	-0.84
1972-73 SE OF DP		0.88	0.72	0.86	0.88	0.41	0.37	0.34	1.58	2.32	1.89	1.13	0.85	0.48	3.58	1.10	2.73	1.11	1.99	1.16	0.59	0.65
AGE: Ad																						
1972-73 P-VALUE	2.00	2.60	2.80	0.82	2.04	2.17	1.84	1.33	5.52	5.65	3.30	1.71	1.36	0.86	9.33	1.62	3.59	0.39	3.89	0.89	2.59	2.02
1972-73 SE OF P-VAL	0.33	0.80	0.70	0.46	0.62	0.47	0.41	0.27	1.79	1.61	0.86	0.66	0.51	0.49	3.67	0.89	1.55	0.39	1.87	0.63	0.96	0.41
1972-73 DELTA-P		0.60	0.80	-1.18#	0.04	0.17	-0.16	-0.67#	3.52*	3.65*	1.30	-0.29	-0.64	-1.14*	7.33*	-0.38	[illegible]	-1.61#	1.89	-1.11	0.59	0.02
1972-73 SE OF DP		0.65	0.63	0.44	0.54	0.31	0.29	0.22	1.60	1.56	0.67	0.64	0.47	0.46	3.62	0.87	1.44	0.40	1.75	0.64	0.89	0.35
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	87.44	88.01	86.17	87.16	88.34	88.40	86.48	89.81	76.91	76.10	82.52	87.16	86.37	91.68	79.13	86.02	75.54	89.23	85.18	89.11	90.85	88.85
1972-73 SE OF P-VAL	0.86	1.82	2.59	1.35	1.18	1.02	1.21	0.79	2.59	2.84	3.00	2.47	1.31	1.03	2.08	2.28	3.34	2.07	2.99	1.40	1.44	1.77
1972-73 DELTA-P		0.57	-1.27	-0.28	0.90	0.96	-0.96	2.37#	-10.53#	-11.34#	-4.92	-0.28	-1.07	4.24#	-8.31#	-1.42	-11.90#	1.79	-2.26	1.67	3.41*	1.41
1972-73 SE OF DP		1.58	2.14	1.21	1.20	0.70	0.69	0.40	2.27	2.69	2.70	2.06	1.02	0.90	1.85	2.22	3.18	1.99	2.64	1.34	1.41	1.31
AGE: 17																						
1972-73 P-VALUE	93.71	93.32	93.68	93.30	94.66	94.18	93.28	95.56	86.61	83.38	86.20	92.74	93.50	96.35	80.79	93.63	66.58	96.41	92.36	92.66	95.61	94.80
1972-73 SE OF P-VAL	0.66	1.46	0.87	1.43	1.16	0.76	0.84	0.57	2.30	3.73	2.75	1.47	1.41	0.74	4.17	2.21	4.07	1.33	2.17	1.34	0.92	1.08
1972-73 DELTA-P		-0.39	-0.03	-0.41	0.95	0.47	-0.43	1.85#	-7.10#	-10.33#	-7.51#	-0.97	-0.21	2.64#	-12.92#	-0.08	-7.13	2.70*	-1.35	-1.05	1.90	1.09
1972-73 SE OF DP		1.21	0.93	1.14	1.06	0.49	0.45	0.50	1.95	3.62	2.61	1.43	1.15	0.60	4.07	2.18	3.75	1.24	2.14	1.33	1.05	0.94
AGE: Ad																						
1972-73 P-VALUE	91.12	88.94	90.01	93.62	91.47	91.71	90.57	92.79	80.69	85.23	85.47	91.19	93.99	94.13	84.56	90.55	87.76	96.07	85.54	90.19	90.64	91.91
1972-73 SE OF P-VAL	0.63	1.67	1.14	1.18	0.89	1.05	1.00	0.70	3.23	3.56	1.52	1.42	1.19	1.30	4.25	1.64	2.51	1.24	3.72	2.36	2.36	1.02
1972-73 DELTA-P		-2.18	-1.11	2.50*	0.35	0.59	-0.55	1.67#	-10.83#	-5.89	-5.65#	0.07	2.87#	3.01*	-6.56	-0.57	-3.36	4.95#	-5.58	-0.93	-0.48	0.79
1972-73 SE OF DP		1.33	1.08	1.02	0.88	0.84	0.78	0.38	3.18	3.55	1.38	1.14	1.03	1.22	4.28	1.65	2.38	1.34	3.53	2.16	2.31	0.95

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COM			
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY

EXERCISE: 303013-234 SU201

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part J1.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY
RESPONSE: 00 AGE: 13 TEXT: No Response.																			
1972-73 P-VALUE	0.61	0.09	1.48	0.17	0.12	0.62	0.60	0.40	2.29	0.00	2.41	1.08	0.40	0.30	0.97	1.23	0.55	0.61	0.46
1972-73 SE OF P-VAL	0.23	0.46	0.87	0.17	0.13	0.21	0.40	0.15	1.53	0.00	1.93	0.81	0.24	0.17	0.50	0.64	0.40	0.46	0.45
1972-73 DELTA-P		-0.28	0.87	-0.44	-0.49*	0.01	-0.01	-0.21	1.68	-0.61#	1.80	0.47	-0.21	-0.31	0.36	0.62	-0.06	0.00	-0.15
1972-73 SE OF DP		0.41	0.69	0.25	0.24	0.23	0.23	0.19	1.35	0.23	1.76	0.63	0.28	0.21	0.49	0.49	0.40	0.44	0.45
AGE: 17																			
1972-73 P-VALUE	0.45	0.22	0.50	0.62	0.46	0.44	0.46	0.19	1.48	1.90	2.53	1.07	0.33	0.06	0.50	1.16	0.57	0.40	1.84
1972-73 SE OF P-VAL	0.17	0.22	0.30	0.41	0.33	0.23	0.24	0.11	0.85	1.34	1.55	0.69	0.23	0.07	0.50	0.90	0.41	0.41	1.02
1972-73 DELTA-P		-0.23	0.05	0.17	0.01	-0.01	0.01	-0.26	1.03	1.45	2.08	0.62	-0.12	-0.39*	0.05	0.71	0.12	-0.05	1.39
1972-73 SE OF DP		0.23	0.28	0.32	0.29	0.17	0.16	0.14	0.74	1.28	1.43	0.62	0.23	0.17	0.51	0.85	0.36	0.38	0.91
AGE: A6																			
1972-73 P-VALUE	0.26	0.13	0.66	0.00	0.35	0.34	0.18	0.03	1.29	1.83	0.79	0.18	0.00	0.00	1.07	0.46	1.79	0.00	0.00
1972-73 SE OF P-VAL	0.13	0.13	0.53	0.00	0.21	0.23	0.11	0.03	1.02	1.00	0.45	0.18	0.00	0.00	1.07	0.50	1.19	0.00	0.00
1972-73 DELTA-P		-0.13	0.40	-0.26*	0.09	0.08	-0.08	-0.23	1.03	1.57	0.53	-0.08	-0.26*	-0.26*	0.81	0.20	1.53	-0.26*	-0.26#
1972-73 SE OF DP		0.15	0.42	0.13	0.19	0.13	0.12	0.12	0.91	0.95	0.33	0.20	0.13	0.13	1.05	0.48	1.09	0.13	0.13
RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.																			
1972-73 P-VALUE	84.66	86.70	79.60	85.65	85.91	84.20	85.12	87.66	67.65	78.15	72.49	82.05	86.72	86.89	79.83	82.27	76.50	90.91	84.68
1972-73 SE OF P-VAL	0.93	1.10	2.58	1.93	1.40	1.15	1.14	0.86	2.96	4.06	4.06	2.52	1.27	1.26	2.08	2.15	3.46	2.45	1.95
1972-73 DELTA-P		2.04	-5.06*	0.99	1.25	-0.46	0.46	3.00#	-17.01#	-6.51	-12.17#	-2.61	2.06	2.23*	-4.83#	-2.39	-8.16*	6.25#	0.02
1972-73 SE OF DP		1.22	2.15	1.54	1.35	0.67	0.67	0.58	2.62	3.87	4.48	2.28	1.12	0.99	1.81	2.23	3.34	2.34	1.85
AGE: 17																			
1972-73 P-VALUE	89.84	93.28	88.28	89.15	88.27	89.13	90.49	90.78	85.57	86.05	83.46	87.98	90.13	91.10	89.35	88.17	88.76	87.92	88.67
1972-73 SE OF P-VAL	0.79	1.00	1.99	1.30	2.07	1.22	0.82	0.83	2.27	3.66	2.81	2.01	1.33	0.97	2.81	1.95	2.06	2.37	1.79
1972-73 DELTA-P		3.44#	-1.56	-0.69	-1.57	-0.71	0.65	0.94*	-4.27*	-3.79	-6.38*	-1.86	0.29	1.26	-0.49	-1.67	-1.08	-1.92	-1.17
1972-73 SE OF DP		1.05	1.72	1.16	1.70	0.69	0.63	0.40	2.10	3.47	2.60	2.02	0.96	0.69	2.65	1.80	1.97	2.19	1.76
AGE: A6																			
1972-73 P-VALUE	87.03	87.22	81.95	90.15	87.59	86.85	87.20	88.92	71.57	87.41	83.62	87.08	88.53	89.81	76.18	84.12	80.72	89.00	85.42
1972-73 SE OF P-VAL	0.84	1.64	1.67	1.62	1.72	1.35	0.95	0.82	3.72	3.97	1.88	1.96	1.41	1.76	6.95	2.63	2.78	2.83	3.65
1972-73 DELTA-P		0.19	-5.08#	3.12*	0.56	-0.18	0.17	1.89#	-15.46#	0.38	-3.41*	0.05	1.50	2.78	-10.85	-2.91	-6.31*	1.97	-1.61
1972-73 SE OF DP		1.43	1.55	1.36	1.45	0.82	0.76	0.45	3.43	3.86	1.56	1.91	1.21	1.47	7.07	2.56	2.55	2.12	3.36
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																			
1972-73 P-VALUE	1.41	0.34	2.70	1.55	1.13	1.38	1.44	0.83	3.64	4.90	2.06	0.71	1.33	0.66	4.12	2.57	1.45	0.56	2.41
1972-73 SE OF P-VAL	0.22	0.20	0.60	0.40	0.32	0.42	0.30	0.21	1.12	1.33	1.15	0.46	0.59	0.17	1.06	1.17	0.67	0.55	1.15
1972-73 DELTA-P		-1.07#	1.29*	0.14	-0.28	-0.03	0.03	-0.58#	2.23*	3.49#	0.65	-0.70	-0.08	-0.75#	2.71#	1.16	0.04	-0.85	1.00
1972-73 SE OF DP		0.26	0.55	0.33	0.31	0.29	0.29	0.17	1.02	1.29	1.15	0.45	0.45	0.25	1.01	1.16	0.66	0.53	1.09
AGE: 17																			
1972-73 P-VALUE	1.09	0.28	2.25	0.64	1.50	1.12	1.06	0.88	1.76	2.53	0.67	1.67	1.31	0.90	1.10	0.89	1.62	1.72	0.00
1972-73 SE OF P-VAL	0.22	0.20	0.63	0.41	0.51	0.32	0.24	0.19	0.70	1.53	0.40	0.85	0.45	0.31	1.09	0.43	0.88	0.66	0.00
1972-73 DELTA-P		-0.81#	1.16*	-0.45	0.41	0.03	-0.03	-0.21	0.67	1.44	-0.42	0.58	0.22	-0.19	0.01	-0.20	0.53	0.63	-1.09#
1972-73 SE OF DP		0.26	0.53	0.34	0.43	0.18	0.17	0.13	0.58	1.46	0.45	0.77	0.37	0.24	1.07	0.47	0.75	0.58	0.22
AGE: A6																			
1972-73 P-VALUE	1.17	1.14	1.64	0.94	1.07	0.83	1.48	0.85	3.61	1.45	1.65	1.21	1.24	0.15	5.42	2.15	1.87	0.76	1.56
1972-73 SE OF P-VAL	0.25	0.36	0.63	0.50	0.53	0.33	0.41	0.25	1.26	0.98	0.55	0.53	0.57	0.14	2.73	1.22	1.10	0.70	0.94
1972-73 DELTA-P		-0.03	0.47	-0.23	-0.10	-0.34	0.31	-0.32*	2.44*	0.28	0.48	0.04	0.07	-1.02#	4.25	0.98	0.70	-0.41	0.39
1972-73 SE OF DP		0.36	0.55	0.42	0.45	0.28	0.27	0.15	1.14	0.94	0.47	0.51	0.43	0.27	2.69	1.15	1.05	0.70	0.85

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                                                                                                                                   U0281  303013-234
NATION |             REGION               |      SEX       |         RACE          |             PARENTAL EDUCATION            |                  SIZE-AND-TYPE OF COMMUNITY
       | NORTH  SOUTH                     |                |                 OTHER |        SOME     GRAD     POST            |EXTREME  LOW    HIGH   MAIN  URBAN  MEDIUM SMALL
       | EAST   EAST  CENTRAL   WEST      |  MALE  FEMALE  | WHITE  BLACK    RACE  | NO HS   HS       HS       HS    UNKNOWN  | RURAL   METRO  METRO  BIG CITY FRINGE CITY PLACES

0281

ge exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.


      TEXT:  No Response.

 0.61     0.89   1.48   0.17   0.12      0.62   0.60      0.40   2.29   0.00      2.41   1.08   0.40   0.30   0.97      1.23   0.55   0.61   0.46   0.19   0.92   0.55
 0.23     0.46   0.87   0.17   0.11      0.21   0.80      0.15   1.53   0.00      1.93   0.81   0.24   0.17   0.50      0.64   0.40   0.46   0.45   0.20   0.31   0.43
          0.28   0.87  -0.44  -0.49*     0.01 [illegible] -0.21  1.68  -0.61#     1.80   0.47  -0.21  -0.31   0.36      0.62  -0.06   0.00  -0.15  -0.42   0.31  -0.06
          0.41   0.89   0.25   0.24      0.23   0.23      0.19   1.35   0.23      1.76   0.63   0.28   0.21   0.49      0.49   0.40   0.44   0.45   0.27   0.49   0.28


 0.45     0.22   0.50   0.62   0.46      0.44   0.46      0.19   1.48   1.90      2.53   1.07   0.33   0.06   0.50      1.16   0.57   0.40   1.84   0.00   0.23   0.17
 0.17     0.22   0.30   0.41   0.33      0.23   0.24      0.11   0.85   1.34      1.55   0.69   0.23   0.07   0.50      0.90   0.41   0.41   1.02   0.00   0.21   0.17
         -0.23   0.05   0.17   0.01     -0.01   0.01     -0.26   1.03   1.45      2.08   0.62  -0.12  -0.39*  0.05      0.71   0.12  -0.05   1.39  -0.45# -0.22  -0.28
          0.25   0.20   0.32   0.29      0.17   0.16      0.14   0.74   1.26      1.43   0.62   0.23   0.17   0.51      0.85   0.36   0.38   0.91   0.17   0.25   0.20


 0.26     0.13   0.66   0.00   0.35      0.34   0.18      0.03   1.29   1.83      0.79   0.18   0.00   0.00   1.07      0.46   1.79   0.00   0.00   0.24   0.00   0.09
 0.13     0.13   0.53   0.00   0.21      0.23   0.11      0.03   1.02   1.00      0.45   0.18   0.00   0.00   1.07      0.50   1.19   0.00   0.00   0.24   0.00   0.09
         -0.13   0.40  -0.26*  0.09      0.08  -0.08     -0.23   1.03   1.57      0.53  -0.08  -0.26* -0.26*  0.81      0.20   1.53  -0.26* -0.26* -0.02  -0.26* -0.17
          0.15   0.42   0.13   0.19      0.13   0.12      0.12   0.91   0.95      0.33   0.20   0.13   0.13   1.05      0.40   1.09   0.13   0.13   0.25   0.13   0.13
      TEXT:  All Acceptable Responses.

84.66    86.70  79.60  85.65  85.91     84.20  85.12     87.66  67.65  78.15     72.49  82.05  86.72  86.89  79.83     82.27  76.50  90.91  84.68  86.71  87.30  82.89
 0.93     1.10   2.50   1.93   1.40      1.15   1.14      0.86   2.96   4.06      4.86   2.52   1.27   1.26   2.08      2.15   3.46   2.45   1.95   1.85   1.99   2.11
          2.04  -5.06*  0.99   1.25     -0.46   0.46      3.00#-17.01# -6.51    -12.17# -2.61   2.06   2.23* -4.83#    -2.39  -8.16*  6.25#  0.02   2.05   2.64  -1.77
          1.22   2.15   1.54   1.35      0.67   0.67      0.58   2.62   3.87      4.48   2.28   1.12   0.99   1.81      2.23   3.34   2.34   1.85   1.86   1.84   1.59


89.84    93.28  88.28  89.15  88.27     89.13  90.49     90.78  85.57  86.05     83.46  87.98  90.13  91.10  89.35     88.17  88.76  87.92  88.67  95.50  91.08  88.66
 0.79     1.00   1.99   1.30   2.07      1.22   0.82      0.83   2.27   3.66      2.81   2.01   1.33   0.97   2.81      1.95   2.06   2.37   1.79   1.36   1.88   1.41
          3.44# -1.56  -0.69  -1.57     -0.71   0.65      0.94* -4.27* -3.79     -6.38* -1.86   0.29   1.26  -0.49     -1.67  -1.08  -1.92  -1.17   5.66#  1.24  -1.18
          1.05   1.72   1.16   1.78      0.69   0.63      0.48   2.18   3.87      2.68   2.02   0.96   0.69   2.65      1.80   1.97   2.18   1.76   1.30   1.78   1.18


87.03    87.22  81.95  90.15  87.59     86.85  87.20     88.92  71.57  87.41     83.62  87.08  88.53  89.81  76.18     84.12  80.72  89.00  85.42  88.54  86.88  88.33
 0.84     1.64   1.67   1.62   1.72      1.35   0.95      0.82   3.72   3.97      1.88   1.96   1.61   1.76   6.95      2.63   2.78   2.43   3.65   2.26   2.07   1.15
          0.19  -5.08#  3.12*  0.56     -0.18   0.17      1.89#-15.46#  0.38     -3.41*  0.05   1.50   2.78 -10.85     -2.91  -6.31*  1.97  -1.61   1.51  -0.15   1.30
          1.43   1.55   1.36   1.45      0.82   0.76      0.45   3.43   3.86      1.56   1.91   1.21   1.47   7.07      2.56   2.55   2.12   3.36   2.13   2.09   1.01
      TEXT:  I Don't Know.

 1.41     0.34   2.70   1.55   1.13      1.38   1.44      0.83   3.64   4.90      2.06   0.71   1.33   0.66   4.12      2.57   1.45   0.56   2.41   0.22   0.42   1.99
 0.22     0.20   0.88   0.40   0.32      0.42   0.30      0.21   1.12   1.33      1.15   0.48   0.59   0.17   1.08      1.17   0.67   0.55   1.15   0.21   0.32   0.61
         -1.07#  1.29*  0.14  -0.28     -0.03   0.03     -0.58#  2.23*  3.49#     0.65  -0.70  -0.08  -0.75#  2.71#     1.16   0.04  -0.85   1.00  -1.19# -0.99#  0.58
          0.26   0.55   0.33   0.31      0.29   0.29      0.17   1.02   1.29      1.15   0.45   0.45   0.25   1.01      1.16   0.66   0.53   1.09   0.20   0.39   0.50


 1.09     0.28   2.25   0.44   1.50      1.12   1.06      0.88   1.76   2.53      0.67   1.67   1.31   0.90   1.10      0.89   1.62   1.72   0.00   0.74   1.32   1.07
 0.22     0.20   0.63   0.41   0.51      0.32   0.24      0.19   0.70   1.53      0.40   0.85   0.45   0.31   1.09      0.43   0.84   0.66   0.00   0.51   0.59   0.37
         -0.81#  1.16* -0.65   0.41      0.03  -0.03     -0.21   0.67   1.44     -0.42   0.58   0.22  -0.19   0.01     -0.20   0.53   0.63  -1.09# -0.35   0.23  -0.02
          0.26   0.53   0.34   0.43      0.18   0.17      0.13   0.58   1.46      0.45   0.77   0.37   0.24   1.07      0.47   0.75   0.58   0.22   0.48   0.55   0.30


 1.17     1.14   1.64   0.94   1.07      0.83   1.48      0.85   3.61   1.45      1.65   1.21   1.24   0.15   5.42      2.15   1.87   0.76   1.56   0.69   1.36   0.96
 0.25     0.36   0.63   0.50   0.53      0.33   0.41      0.25   1.26   0.98      0.55   0.53   0.57   0.16   2.73      1.22   1.10   0.78   0.94   0.52   0.68   0.34
         -0.03   0.47  -0.23  -0.10     -0.34   0.31     -0.32*  2.44*  0.28      0.48   0.04   0.07  -1.02#  4.25      0.98   0.70  -0.41   0.39  -0.48   0.19  -0.21
          0.36   0.55   0.42   0.45      0.28   0.27      0.15   1.14   0.94      0.47   0.51   0.43   0.27   2.69      1.15   1.05   0.70   0.85   0.48   0.68   0.30




f this number is greater than 2.0 times its standard error.
f this number is greater than 2.5 times its standard error.
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EXERCISE: 303013-234 UU201

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part J2.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.99	1.54	1.53	0.46	0.65	0.73	1.25	0.81	2.17	1.06	0.46	1.04	0.71	0.72	2.70	0.82	2.35	1.07	0.89	0.60	0.67	1.07
1972-73 SE OF P-VAL	0.24	0.77	0.54	0.24	0.35	0.25	0.35	0.24	0.68	0.78	0.46	0.64	0.29	0.37	0.98	0.78	0.99	0.91	0.53	0.39	0.40	0.36
1972-73 DELTA-P		0.55	0.54	-0.53	-0.34	-0.26	0.26	-0.18	1.18	0.07	-0.53	0.05	-0.28	-0.27	1.71	-0.17	1.36	0.08	-0.10	-0.39	-0.32	0.08
1972-73 SE OF DP		0.61	0.48	0.28	0.35	0.17	0.18	0.10	0.59	0.70	0.53	0.60	0.29	0.25	0.87	0.73	0.88	0.77	0.51	0.38	0.42	0.33
AGE: 17																						
1972-73 P-VALUE	0.98	1.09	1.17	1.13	0.51	0.97	0.99	0.79	2.22	0.92	0.83	1.11	1.21	0.83	1.10	0.00	2.42	0.93	1.18	1.01	0.70	0.85
1972-73 SE OF P-VAL	0.23	0.52	0.48	0.48	0.30	0.33	0.33	0.24	0.83	0.60	0.79	0.55	0.49	0.32	1.09	0.00	0.97	0.55	0.86	0.67	0.51	0.37
1972-73 DELTA-P		0.11	0.19	0.15	-0.47	-0.01	0.01	-0.19	1.24	-0.06	-0.15	0.13	0.23	-0.15	0.12	-0.98#	1.44	-0.05	0.20	0.03	-0.28	-0.13
1972-73 SE OF DP		0.42	0.43	0.39	0.32	0.25	0.23	0.12	0.74	0.62	0.76	0.54	0.39	0.24	1.07	0.23	0.88	0.51	0.82	0.61	0.48	0.32
AGE: Ad																						
1972-73 P-VALUE	1.25	1.65	1.67	0.67	1.14	1.19	1.30	0.87	3.73	2.32	1.20	1.84	1.35	0.51	4.32	1.73	3.29	1.53	1.20	0.68	1.36	0.73
1972-73 SE OF P-VAL	0.32	0.62	0.44	0.46	0.83	0.45	0.38	0.24	1.52	2.07	0.37	0.96	0.58	0.42	2.54	1.15	1.79	1.11	0.86	0.52	0.68	0.23
1972-73 DELTA-P		0.40	0.42	-0.58	-0.11	-0.06	0.05	-0.38*	2.48	1.07	-0.05	0.59	0.10	-0.70*	3.07	0.48	2.04	0.28	-0.05	-0.57	0.11	-0.52
1972-73 SE OF DP		0.54	0.46	0.43	0.66	0.28	0.26	0.19	1.39	1.88	0.40	0.85	0.42	0.32	2.50	1.12	1.68	0.91	0.72	0.40	0.71	0.35
RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	88.51	90.19	86.71	87.96	89.15	88.68	88.34	90.65	77.04	82.55	77.20	86.50	89.74	90.67	85.08	89.00	77.01	94.24	84.77	90.15	92.39	87.99
1972-73 SE OF P-VAL	0.87	1.80	2.02	1.83	1.14	1.01	1.17	0.85	2.23	3.31	3.94	2.41	1.14	1.10	2.18	1.52	2.83	2.14	3.60	1.51	1.41	1.64
1972-73 DELTA-P		1.68	-1.80	-0.55	0.64	0.17	-0.17	2.14#	-11.47#	-5.96	-11.31#	-2.01	1.23	2.16#	-3.43	0.49	-11.50#	5.73#	-3.74	1.64	3.88#	-0.52
1972-73 SE OF DP		1.57	1.75	1.45	1.18	0.66	0.66	0.45	1.95	3.22	3.65	2.25	0.91	0.74	2.06	1.63	2.99	1.95	3.24	1.50	1.37	1.32
AGE: 17																						
1972-73 P-VALUE	88.22	90.62	87.91	88.76	85.20	88.99	87.52	89.38	83.03	83.34	80.55	85.45	88.80	89.98	84.56	86.50	85.92	89.76	89.45	88.30	89.15	87.93
1972-73 SE OF P-VAL	0.92	1.47	1.75	1.81	2.25	1.17	1.20	1.01	2.03	4.03	3.64	2.43	1.51	1.15	3.89	3.54	3.11	1.93	2.24	2.70	2.02	1.48
1972-73 DELTA-P		2.40	-0.31	0.54	-3.02	0.77	-0.70	1.16#	-5.19*	-4.88	-7.67*	-2.77	0.58	1.76*	-3.66	-1.72	-2.36	1.54	1.23	0.08	0.93	-0.29
1972-73 SE OF DP		1.36	1.62	1.49	1.87	0.77	0.71	0.36	2.09	3.77	3.36	2.22	1.29	0.80	3.67	3.38	2.79	1.89	2.16	2.40	1.88	1.26
AGE: Ad																						
1972-73 P-VALUE	86.33	88.16	83.72	87.20	85.72	86.16	86.49	88.08	71.69	87.30	83.97	85.29	87.16	88.98	80.50	84.78	79.39	89.11	81.74	88.19	87.80	87.34
1972-73 SE OF P-VAL	0.85	2.00	1.77	1.71	1.22	1.24	1.06	0.99	3.69	3.89	1.78	2.35	1.66	1.81	5.85	2.89	3.92	2.71	3.50	2.88	2.47	1.40
1972-73 DELTA-P		1.83	-2.61	0.87	-0.61	-0.17	0.16	1.75#	-14.64#	0.97	-2.36	-1.04	0.83	2.65	-5.83	-1.55	-6.94	2.78	-4.59	1.86	1.47	1.01
1972-73 SE OF DP		1.63	1.61	1.43	1.19	0.80	0.74	0.48	3.61	4.01	1.54	2.09	1.45	1.63	6.04	2.81	3.67	2.54	3.37	2.81	2.56	1.15

EXERCISE: 303013-234 UU201

Part K1.

	NATION	REGION NORTH EAST	SOUTH EAST	CENTRAL	WEST	SEX MALE	FEMALE	RACE WHITE	BLACK	OTHER RACE	PARENTAL EDUCATION NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	SIZE-AND-TYPE OF COMMUNITY EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.52	0.94	1.02	0.17	0.12	0.61	0.43	0.43	1.38	0.00	2.41	0.00	0.44	0.30	0.93	0.31	0.37	0.61	0.46	0.35	0.92	0.55
1972-73 SE OF P-VAL	0.17	0.42	0.59	0.17	0.13	0.22	0.26	0.16	0.97	0.00	1.93	0.00	0.24	0.17	0.51	0.31	0.39	0.46	0.45	0.25	0.51	0.43
1972-73 DELTA-P		0.42	0.50	-0.35	-0.40*	0.09	-0.09	-0.09	0.86	-0.52#	1.89	-0.52#	-0.08	-0.22	0.41	-0.21	-0.15	0.09	-0.06	-0.17	0.40	0.03
1972-73 SE OF DP		0.36	0.48	0.20	0.19	0.17	0.17	0.12	0.86	0.17	1.82	0.17	0.23	0.17	0.47	0.33	0.40	0.44	0.43	0.26	0.47	0.33
AGE: 17																						
1972-73 P-VALUE	0.32	0.00	0.58	0.74	0.00	0.35	0.29	0.11	1.77	0.00	1.59	0.00	0.62	0.00	0.50	0.27	0.88	0.00	1.48	0.00	0.23	0.17
1972-73 SE OF P-VAL	0.13	0.00	0.30	0.40	0.00	0.22	0.20	0.08	0.84	0.00	1.29	0.00	0.32	0.00	0.50	0.28	0.84	0.00	1.00	0.00	0.21	0.17
1972-73 DELTA-P		-0.32*	0.18	0.42	-0.32*	0.03	-0.03	-0.21	1.45*	-0.32*	1.27	-0.32*	0.30	-0.32*	0.18	-0.05	0.56	-0.32*	1.16	-0.32*	-0.09	-0.15
1972-73 SE OF DP		0.13	0.27	0.29	0.13	0.16	0.15	0.13	0.72	0.13	1.20	0.13	0.25	0.13	0.50	0.29	0.78	0.13	0.92	0.13	0.23	0.17
AGE: Ad																						
1972-73 P-VALUE	0.30	0.29	0.38	0.00	0.56	0.28	0.32	0.24	0.00	1.84	0.45	0.18	0.33	0.11	1.07	1.06	0.31	0.20	0.00	0.72	0.00	0.21
1972-73 SE OF P-VAL	0.12	0.21	0.28	0.00	0.36	0.14	0.17	0.13	0.00	1.00	0.26	0.18	0.24	0.11	1.07	0.78	0.31	0.20	0.00	0.72	0.00	0.15
1972-73 DELTA-P		-0.01	0.08	-0.30#	0.26	-0.02	0.02	-0.06	-0.30#	1.54	0.15	-0.12	0.03	-0.19	0.77	0.76	0.01	-0.10	-0.30#	0.42	-0.30#	-0.09
1972-73 SE OF DP		0.20	0.25	0.12	0.28	0.10	0.09	0.06	0.12	0.94	0.21	0.19	0.16	0.15	0.99	0.73	0.31	0.21	0.12	0.65	0.12	0.14

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

2

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
EXERCISE: 303013-234 UU281																						
This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.																						
Part #1.																						
RESPONSE: 03* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	66.24	60.85	64.78	69.51	68.58	69.55	62.93	68.76	53.90	56.67	69.07	60.11	64.86	68.16	66.42	64.10	58.58	72.00	65.24	66.41	67.23	66.62
1972-73 SE OF P-VAL	1.17	1.88	1.87	2.89	2.03	1.74	1.40	1.32	3.16	4.17	3.60	3.23	1.81	1.82	3.16	6.56	4.01	2.75	2.96	2.68	2.28	1.97
1972-73 DELTA-P		-5.39#	-1.46	3.27	2.34	3.31#	-3.31#	2.52#	-12.34#	-9.57*	2.83	-6.13	-1.38	1.92	0.18	-2.14	-7.66	5.76*	-1.00	0.17	0.99	0.38
1972-73 SE OF DP		1.82	1.84	2.18	1.84	1.07	1.09	0.53	3.24	3.98	3.39	3.34	1.34	1.17	3.09	5.99	3.86	2.72	2.31	2.54	2.12	1.76
AGE: 17																						
1972-73 P-VALUE	66.33	62.03	69.63	68.76	65.19	71.05	62.02	66.91	62.32	67.05	68.59	63.29	65.43	67.41	63.55	67.46	69.09	65.02	59.23	69.90	69.29	65.00
1972-73 SE OF P-VAL	1.27	1.96	3.10	2.28	2.82	1.65	1.84	1.37	2.84	4.80	4.05	4.12	2.17	1.69	5.44	4.02	2.69	2.93	2.86	4.06	3.00	1.92
1972-73 DELTA-P		-4.30*	3.30	2.43	-1.14	4.72#	-4.31#	0.58	-4.01	0.72	2.26	-3.04	-0.90	1.08	-2.78	1.13	2.76	-1.31	-7.10*	3.57	2.96	-1.33
1972-73 SE OF DP		1.85	2.63	1.95	2.40	1.32	1.15	0.54	2.68	4.42	4.38	3.72	1.58	1.04	5.38	3.83	2.58	2.65	2.68	3.59	2.96	1.53
AGE: Ad																						
1972-73 P-VALUE	66.28	65.23	64.43	68.28	66.64	69.06	63.69	67.59	50.40	76.33	65.30	68.04	65.08	67.04	71.87	64.13	67.76	65.16	56.08	63.18	63.78	70.55
1972-73 SE OF P-VAL	1.25	2.55	2.55	2.16	2.73	1.87	1.86	1.31	4.33	4.92	2.26	3.30	2.04	2.84	6.85	3.19	3.51	3.60	4.50	3.63	3.32	1.57
1972-73 DELTA-P		-1.05	-1.85	2.00	0.36	2.78*	-2.59*	1.31*	-15.88#	10.05*	-0.98	1.76	-1.20	0.76	5.59	-2.15	1.48	-1.12	-10.20#	-3.10	-2.50	4.27#
1972-73 SE OF DP		2.19	2.30	1.92	2.26	1.13	1.08	0.53	4.24	4.58	1.92	2.80	1.68	2.57	7.08	3.15	3.63	3.07	4.07	3.26	3.06	1.35
RESPONSE: 09 AGE: 13 TEXT: I Don't Know.																						
1972-73 P-VALUE	2.57	2.61	4.93	1.46	1.84	1.54	3.60	1.49	9.17	3.82	3.04	4.63	2.15	1.52	5.25	4.61	3.70	1.15	2.65	1.95	1.12	3.03
1972-73 SE OF P-VAL	0.36	0.53	1.20	0.52	0.38	0.35	0.52	0.28	2.03	1.21	1.29	1.24	0.56	0.40	1.27	1.51	1.21	0.43	1.09	0.74	0.48	0.81
1972-73 DELTA-P		0.04	2.36*	-1.11*	-0.73	-1.03#	1.03#	-1.08#	6.60#	1.25	0.47	2.06	-0.42	-1.05#	2.68*	2.04	1.13	-1.42#	0.08	-0.62	-1.45*	0.46
1972-73 SE OF DP		0.53	0.96	0.47	0.44	0.26	0.27	0.26	1.82	1.23	1.31	1.06	0.40	0.35	1.20	1.35	1.18	0.53	1.06	0.71	0.59	0.63
AGE: 17																						
1972-73 P-VALUE	1.99	1.07	2.73	0.84	3.75	1.61	2.33	1.59	2.12	7.35	4.18	3.73	1.49	1.41	3.76	4.41	2.89	1.36	1.20	2.42	1.31	1.68
1972-73 SE OF P-VAL	0.35	0.33	0.85	0.36	1.13	0.35	0.52	0.30	0.61	2.62	1.52	1.15	0.48	0.39	2.56	1.67	1.21	0.72	0.68	1.25	0.50	0.46
1972-73 DELTA-P		-0.92*	0.74	-1.15#	1.76	-0.38	0.34	-0.40*	0.13	5.36*	2.19	1.74	-0.50	-0.58	1.77	2.42	0.90	-0.63	-0.79	0.43	-0.68	-0.31
1972-73 SE OF DP		0.41	0.74	0.42	0.89	0.39	0.36	0.18	0.64	2.36	1.43	1.02	0.48	0.31	2.36	1.61	1.06	0.75	0.68	1.04	0.55	0.43
AGE: Ad																						
1972-73 P-VALUE	1.49	1.32	3.60	0.69	0.83	1.42	1.55	1.08	3.99	3.02	2.72	2.34	0.70	0.21	5.79	1.20	3.04	0.49	1.70	0.20	1.76	1.79
1972-73 SE OF P-VAL	0.31	0.49	1.17	0.46	0.40	0.49	0.40	0.24	1.55	1.45	0.69	0.94	0.39	0.22	2.80	0.83	1.52	0.48	1.19	0.20	1.17	0.42
1972-73 DELTA-P		-0.17	2.11*	-0.80	-0.66	-0.07	0.06	-0.41*	2.50	1.53	1.23*	0.85	-0.79	-1.28#	4.30	-0.29	1.55	-1.00	0.21	-1.29#	0.27	0.30
1972-73 SE OF DP		0.47	0.96	0.41	0.42	0.33	0.31	0.18	1.35	1.39	0.50	0.77	0.40	0.34	2.77	0.81	1.43	0.53	1.14	0.34	1.00	0.28
EXERCISE: 303013-234 UU281																						
Part #2.																						
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	1.96	2.67	3.06	0.81	1.73	1.42	2.51	1.21	6.09	3.85	2.80	2.70	1.73	1.27	3.79	3.03	3.86	1.66	2.26	2.24	1.20	1.26
1972-73 SE OF P-VAL	0.32	0.77	0.94	0.36	0.53	0.32	0.53	0.26	1.26	1.73	1.87	1.05	0.46	0.44	1.06	1.38	1.22	0.88	0.92	0.77	0.56	0.48
1972-73 DELTA-P		0.71	1.10	-1.15#	-0.23	-0.54	0.55	-0.75#	4.13#	1.89	0.84	0.74	-0.23	-0.69*	1.83	1.07	1.90	-0.30	0.30	0.28	-0.76	-0.70
1972-73 SE OF DP		0.65	0.78	0.39	0.49	0.30	0.30	0.19	1.09	1.63	1.42	0.89	0.45	0.32	0.96	1.26	1.09	0.79	0.86	0.73	0.59	0.45
AGE: 17																						
1972-73 P-VALUE	1.33	1.12	1.54	0.95	1.84	1.25	1.41	1.12	1.36	4.29	1.37	3.24	0.90	0.96	3.60	1.06	2.10	0.76	2.31	2.12	0.37	1.14
1972-73 SE OF P-VAL	0.30	0.49	0.66	0.39	0.84	0.35	0.49	0.27	0.61	2.07	0.88	1.27	0.40	0.34	2.54	0.69	0.88	0.54	1.11	1.25	0.36	0.39
1972-73 DELTA-P		-0.21	0.21	-0.38	0.51	-0.08	0.08	-0.21	0.03	2.96	0.04	1.91	-0.43	-0.37	2.27	-0.27	0.77	-0.57	0.98	0.79	-0.96*	-0.19
1972-73 SE OF DP		0.45	0.59	0.39	0.68	0.32	0.29	0.14	0.61	1.89	0.86	1.17	0.42	0.21	2.38	0.66	0.84	0.54	1.04	1.06	0.44	0.37
AGE: Ad																						
1972-73 P-VALUE	1.40	1.99	2.30	0.67	0.88	1.54	1.27	0.96	3.85	3.55	2.14	1.64	0.79	0.83	5.10	1.34	4.53	0.98	0.57	0.68	0.85	1.37
1972-73 SE OF P-VAL	0.33	0.80	0.77	0.37	0.63	0.48	0.33	0.23	1.72	2.30	0.68	0.96	0.43	0.48	2.70	0.94	2.06	0.80	0.57	0.52	0.67	0.37
1972-73 DELTA-P		0.59	0.90	-0.73	-0.52	0.14	-0.13	-0.44*	2.45	2.15	0.74	0.24	-0.61	-0.57	3.70	-0.06	3.13	-0.42	-0.83	-0.72	-0.55	-0.03
1972-73 SE OF DP		0.65	0.67	0.40	0.54	0.26	0.24	0.21	1.55	2.13	0.55	0.85	0.39	0.40	2.69	0.87	1.90	0.60	0.62	0.47	0.68	0.34

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 U0281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part K2.

RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	84.10	84.55	83.30	84.19	84.26	86.67	81.52	85.98	76.83	72.89	84.79	78.72	82.16	88.31	78.92	82.73	75.41	87.82	81.98	84.27	86.95	84.91
1972-73 SE OF P-VAL	0.87	1.95	1.75	1.48	1.85	0.88	1.26	0.89	2.25	4.33	2.97	2.53	1.44	1.04	2.49	4.18	3.44	1.75	2.92	2.38	1.98	1.50
1972-73 DELTA-P		0.45	-0.80	0.09	0.16	2.57#	-2.58#	1.88#	-7.27#	-11.21#	0.69	-5.38*	-1.94	4.21#	-5.18*	-1.37	-8.69#	3.72*	-2.12	0.17	2.85	0.81
1972-73 SE OF DP		1.67	1.58	1.28	1.57	0.66	0.65	0.43	2.20	4.12	2.85	2.43	1.17	0.70	2.34	3.93	3.33	1.74	2.79	2.20	1.80	1.38

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	87.17	82.89	91.28	88.10	87.11	90.78	83.87	87.95	84.01	83.15	84.20	82.60	86.04	89.91	79.96	88.89	84.00	86.33	85.81	87.93	87.74	87.87
1972-73 SE OF P-VAL	0.88	1.67	1.54	1.56	2.06	1.19	1.34	0.94	2.65	3.69	3.27	3.01	1.54	1.02	4.64	2.03	2.98	2.12	2.92	3.20	1.28	1.31
1972-73 DELTA-P		-4.28#	4.11#	0.93	-0.06	3.61#	-3.30#	0.78	-3.16	-4.02	-2.97	-4.57	-1.13	2.74#	-7.21	1.72	-3.17	-0.84	-1.36	0.76	0.57	0.70
1972-73 SE OF DP		1.44	1.43	1.34	1.73	0.98	0.88	0.40	2.45	3.61	3.10	2.63	1.28	0.82	4.46	2.15	2.81	1.89	2.68	2.76	1.43	1.13

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	87.35	87.30	87.97	88.01	86.22	89.83	85.05	88.94	74.67	87.05	83.51	86.96	88.55	89.75	90.72	89.59	82.34	90.50	83.55	86.09	83.76	89.16
1972-73 SE OF P-VAL	1.00	2.53	1.83	1.73	1.80	1.32	1.38	1.00	4.19	3.04	1.51	2.27	1.54	1.82	3.21	2.18	3.27	2.10	4.17	3.62	2.81	1.07
1972-73 DELTA-P		-0.05	0.62	0.66	-1.13	2.48#	-2.30#	1.59#	-12.68#	-0.30	-3.84#	-0.39	1.20	2.40	3.37	2.24	-5.01	3.15	-3.80	-1.26	-3.59	1.81
1972-73 SE OF DP		2.04	1.72	1.53	1.59	0.94	0.87	0.44	4.04	2.90	1.22	2.04	1.20	1.44	3.18	2.26	2.91	1.86	3.95	3.25	2.63	1.03

EXERCISE: 303013-234 U0281

Part L1.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.59	0.94	1.51	0.00	0.18	0.62	0.56	0.33	2.59	0.00	2.41	1.29	0.23	0.37	0.88	1.12	0.73	0.61	0.46	0.29	0.50	0.61
1972-73 SE OF P-VAL	0.22	0.46	0.87	0.00	0.14	0.22	0.38	0.13	1.53	0.00	1.93	0.83	0.14	0.18	0.49	0.68	0.40	0.46	0.45	0.23	0.29	0.44
1972-73 DELTA-P		0.35	0.92	-0.59#	-0.41	0.03	-0.03	-0.26	2.00	-0.59#	1.82	0.70	-0.36	-0.22	0.29	0.53	0.14	0.02	-0.13	-0.30	-0.09	0.02
1972-73 SE OF DP		0.41	0.69	0.22	0.24	0.22	0.22	0.19	1.34	0.22	1.76	0.64	0.24	0.21	0.48	0.54	0.40	0.44	0.45	0.28	0.33	0.28

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.38	0.48	0.40	0.45	0.16	0.44	0.33	0.24	0.94	1.06	1.60	1.13	0.33	0.09	0.00	0.00	0.64	0.71	1.48	0.00	0.23	0.18
1972-73 SE OF P-VAL	0.14	0.29	0.29	0.35	0.16	0.21	0.21	0.12	0.70	0.71	1.29	0.71	0.23	0.09	0.00	0.00	0.43	0.48	1.00	0.00	0.21	0.17
1972-73 DELTA-P		0.10	0.02	0.07	-0.22	0.06	-0.05	-0.14	0.56	0.68	1.22	0.75	-0.05	-0.29	-0.38#	-0.38#	0.26	0.33	1.10	-0.38#	-0.15	-0.20
1972-73 SE OF DP		0.25	0.26	0.27	0.19	0.15	0.14	0.11	0.61	0.68	1.20	0.65	0.21	0.15	0.14	0.14	0.40	0.42	0.91	0.14	0.23	0.18

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.37	0.13	1.18	0.00	0.35	0.44	0.31	0.13	1.53	1.84	1.21	0.18	0.00	0.00	1.07	0.46	2.07	0.00	0.00	0.24	0.00	0.31
1972-73 SE OF P-VAL	0.15	0.13	0.67	0.00	0.21	0.25	0.17	0.08	1.04	1.00	0.54	0.18	0.00	0.00	1.07	0.50	1.23	0.00	0.00	0.24	0.00	0.18
1972-73 DELTA-P		-0.24	0.81	-0.37*	-0.02	0.07	-0.06	-0.24*	1.16	1.47	0.84*	-0.19	-0.37*	-0.37*	0.70	0.09	1.70	-0.37*	-0.37*	-0.13	-0.37*	-0.06
1972-73 SE OF DP		0.18	0.54	0.15	0.21	0.16	0.15	0.12	0.94	0.92	0.40	0.21	0.15	0.15	1.06	0.44	1.13	0.15	0.15	0.26	0.15	0.15

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	91.12	91.55	87.48	93.07	91.50	92.28	89.96	94.59	74.84	76.57	77.50	88.24	93.53	94.96	81.24	89.63	80.86	94.97	88.81	95.06	91.94	91.23
1972-73 SE OF P-VAL	0.84	0.88	2.64	1.27	1.55	1.03	0.95	0.51	3.90	3.46	4.27	2.31	1.06	0.76	2.26	2.14	3.52	1.29	1.80	1.20	1.39	1.88
1972-73 DELTA-P		0.43	-3.64	1.95	0.38	1.16*	-1.16*	3.46#	-16.28#	-14.55#	-13.62#	-2.88	2.41#	3.84#	-9.88#	-1.49	-10.26#	3.85#	-2.31	3.94#	0.82	0.11
1972-73 SE OF DP		1.06	2.15	1.13	1.38	0.53	0.52	0.65	3.47	3.27	3.88	2.11	0.89	0.77	1.99	2.01	3.31	1.29	1.84	1.24	1.49	1.38

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	95.70	95.74	94.87	96.53	95.38	96.34	95.11	97.41	86.57	91.76	88.91	93.49	96.49	97.62	85.96	95.28	89.90	95.63	95.76	98.00	96.65	96.13
1972-73 SE OF P-VAL	0.55	1.02	1.02	1.01	1.35	0.70	0.79	0.44	2.48	1.91	2.61	1.81	1.05	0.42	4.51	2.23	3.51	1.30	1.45	1.02	0.88	0.67
1972-73 DELTA-P		0.04	-0.83	0.83	-0.32	0.64	-0.59	1.71#	-9.13#	-3.94	-6.79#	-2.21	0.79	1.92#	-9.74*	-0.42	-5.80	-0.07	0.06	2.30*	0.95	0.43
1972-73 SE OF DP		0.90	0.96	0.86	1.12	0.53	0.48	0.43	2.14	1.99	2.45	1.59	0.77	0.57	4.34	2.14	3.24	1.23	1.29	0.99	0.98	0.69

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	94.23	93.08	92.92	95.14	95.40	93.97	94.47	96.20	84.43	82.63	90.82	91.73	96.09	97.67	88.10	93.19	87.10	94.88	90.65	94.75	94.94	96.29
1972-73 SE OF P-VAL	0.64	1.54	1.61	1.01	1.02	0.76	0.78	0.59	3.10	3.59	1.55	1.99	0.99	0.73	3.65	1.81	3.01	1.81	3.25	1.69	1.64	0.88
1972-73 DELTA-P		-1.15	-1.31	0.91	1.17	-0.26	0.24	1.97#	-9.80#	-11.60#	-3.41#	-2.50	1.86	3.44#	-6.13	-1.04	-7.13*	0.65	-3.58	0.52	0.71	2.06#
1972-73 SE OF DP		1.27	1.39	0.94	0.94	0.62	0.57	0.41	2.82	3.52	1.20	1.83	0.93	0.73	3.69	1.72	2.89	1.74	3.00	1.62	1.62	0.74

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-23A 00281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
Part L1.																						
RESPONSE: 09 AGE: 13	TEXT: I Don't Know.																					
1972-73 P-VALUE	0.67	0.40	1.15	0.49	0.72	0.62	0.72	0.36	2.09	2.09	1.96	0.63	0.39	0.28	2.02	1.02	2.35	0.58	0.30	0.52	0.00	0.67
1972-73 SE OF P-VAL	0.15	0.20	0.48	0.25	0.26	0.24	0.21	0.15	0.62	1.01	1.50	0.41	0.15	0.16	0.71	0.79	0.72	0.43	0.29	0.39	0.00	0.29
1972-73 DELTA-P		-0.27	0.48	-0.18	0.05	-0.05	0.05	-0.31#	1.42#	1.42	1.27	-0.04	-0.28	-0.39*	1.35*	0.35	1.68*	-0.09	-0.37	-0.15	-0.67#	0.00
1972-73 SE OF DP		0.21	0.40	0.22	0.24	0.17	0.17	0.11	0.55	0.98	1.42	0.39	0.19	0.17	0.64	0.72	0.70	0.41	0.30	0.36	0.15	0.25
AGE: 17																						
1972-73 P-VALUE	0.65	0.00	1.26	0.86	0.57	0.70	0.60	0.26	3.53	0.00	2.39	0.16	0.34	0.28	5.05	0.94	2.51	0.00	0.72	0.00	0.57	0.62
1972-73 SE OF P-VAL	0.16	0.00	0.44	0.44	0.39	0.29	0.26	0.12	1.00	0.00	1.33	0.15	0.30	0.19	2.03	0.77	1.30	0.00	0.71	0.00	0.48	0.33
1972-73 DELTA-P		-0.65#	0.61	0.21	-0.08	0.05	-0.05	-0.41*	2.88#	-0.65#	1.74	-0.49*	-0.31	-0.37*	4.40*	0.29	1.86	-0.65#	0.07	-0.65#	-0.08	-0.03
1972-73 SE OF DP		0.18	0.39	0.34	0.34	0.22	0.20	0.17	0.87	0.18	1.26	0.21	0.27	0.17	1.96	0.74	1.21	0.18	0.67	0.18	0.50	0.30
AGE: 09																						
1972-73 P-VALUE	1.05	1.45	1.70	0.15	1.09	0.52	1.54	0.58	3.61	3.36	1.40	0.91	1.25	0.41	2.44	3.05	1.43	0.52	2.98	0.20	0.66	0.59
1972-73 SE OF P-VAL	0.24	0.66	0.74	0.16	0.29	0.31	0.35	0.21	1.51	1.44	0.47	0.53	0.57	0.40	1.96	1.39	1.22	0.54	1.77	0.20	0.52	0.26
1972-73 DELTA-P		0.40	0.65	-0.90#	0.04	-0.53*	0.49*	-0.47#	2.56	2.31	0.35	-0.14	0.20	-0.64	1.39	2.00	0.78	-0.53	1.93	-0.85#	-0.39	-0.46
1972-73 SE OF DP		0.52	0.62	0.26	0.31	0.23	0.22	0.18	1.35	1.44	0.42	0.51	0.43	0.40	1.93	1.33	1.13	0.53	1.62	0.30	0.53	0.31
EXERCISE: 303013-23A 00281																						
Part L2.																						
RESPONSE: 00 AGE: 13	TEXT: No Response.																					
1972-73 P-VALUE	0.73	0.84	0.52	0.54	1.04	0.65	0.81	0.52	1.56	1.96	0.00	0.00	0.89	0.35	2.33	0.20	1.39	0.72	0.53	1.24	0.56	0.64
1972-73 SE OF P-VAL	0.18	0.37	0.30	0.30	0.46	0.22	0.28	0.17	0.69	1.00	0.00	0.00	0.32	0.18	0.84	0.20	0.62	0.45	0.37	0.65	0.41	0.29
1972-73 DELTA-P		0.11	-0.21	-0.19	0.31	-0.08	0.08	-0.21	0.83	1.23	-0.73#	-0.73#	0.16	-0.38*	1.60*	-0.53*	0.65	-0.01	-0.20	0.51	-0.17	-0.09
1972-73 SE OF DP		0.33	0.29	0.26	0.38	0.17	0.17	0.11	0.63	0.94	0.18	0.18	0.26	0.16	0.72	0.26	0.61	0.43	0.32	0.55	0.39	0.27
AGE: 17																						
1972-73 P-VALUE	0.70	0.24	0.74	1.13	0.65	0.78	0.62	0.27	3.53	0.53	0.82	0.60	0.78	0.37	3.88	0.66	4.35	0.00	1.43	0.00	0.00	0.32
1972-73 SE OF P-VAL	0.24	0.24	0.42	0.67	0.41	0.33	0.27	0.14	1.34	0.49	0.79	0.42	0.62	0.23	1.88	0.70	1.84	0.00	1.00	0.00	0.00	0.23
1972-73 DELTA-P		-0.46	0.04	0.41	-0.05	0.08	-0.08	-0.43*	2.83*	-0.17	0.12	-0.10	0.08	-0.33	3.18	-0.04	3.65*	-0.70#	0.73	-0.70#	-0.70#	-0.38
1972-73 SE OF DP		0.29	0.40	0.50	0.38	0.19	0.17	0.21	1.14	0.52	0.76	0.44	0.48	0.24	1.79	0.69	1.67	0.24	0.93	0.24	0.24	0.28
AGE: 09																						
1972-73 P-VALUE	0.72	1.08	1.27	0.11	0.59	0.33	1.08	0.37	2.74	2.30	0.93	0.91	0.56	0.40	2.44	3.05	0.85	0.52	1.23	0.19	0.66	0.36
1972-73 SE OF P-VAL	0.19	0.45	0.60	0.11	0.33	0.25	0.31	0.16	1.23	1.21	0.39	0.53	0.34	0.40	1.96	1.39	0.63	0.54	1.20	0.20	0.52	0.19
1972-73 DELTA-P		0.36	0.55	-0.61#	-0.13	-0.39	0.36	-0.35#	2.02	1.58	0.21	0.19	-0.16	-0.32	1.72	2.33	0.13	-0.20	0.51	-0.53*	-0.06	-0.36
1972-73 SE OF DP		0.37	0.50	0.21	0.30	0.22	0.20	0.14	1.12	1.18	0.35	0.44	0.29	0.36	1.92	1.29	0.64	0.50	1.13	0.26	0.51	0.21
RESPONSE: 01* AGE: 13	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	95.29	96.22	93.51	95.83	95.30	95.58	95.00	97.20	86.48	86.93	88.72	94.41	96.03	97.34	90.85	94.66	86.57	97.80	94.20	97.31	95.57	96.00
1972-73 SE OF P-VAL	0.66	0.86	1.48	1.13	1.58	0.86	0.81	0.45	2.71	4.41	4.45	1.50	0.73	0.61	1.72	1.78	3.90	0.90	1.71	0.91	1.09	1.01
1972-73 DELTA-P		0.93	-1.78	0.54	0.01	0.29	-0.29	1.91#	-8.81#	-8.36*	-6.57	-0.88	0.80	2.05#	-4.44#	-0.63	-8.72*	2.51#	-1.09	2.02*	0.28	0.71
1972-73 SE OF DP		0.91	1.28	0.96	1.30	0.52	0.52	0.47	2.48	4.10	4.20	1.39	0.66	0.56	1.36	1.62	3.57	0.77	1.62	0.96	1.16	0.86
AGE: 17																						
1972-73 P-VALUE	97.42	98.49	96.87	97.55	96.56	97.48	97.37	98.54	90.47	97.06	92.04	97.19	97.31	98.94	90.92	97.10	91.21	99.09	98.24	98.87	97.98	97.50
1972-73 SE OF P-VAL	0.48	0.71	0.97	0.96	1.15	0.58	0.58	0.37	2.09	1.38	2.07	1.31	0.99	0.35	3.02	1.91	2.98	0.67	1.07	0.79	0.76	0.66
1972-73 DELTA-P		1.07	-0.55	0.13	-0.86	0.06	-0.05	1.12#	-6.95#	-0.36	-5.38#	-0.23	-0.11	1.52#	-6.50*	-0.32	-6.21#	1.67*	0.82	1.45	0.56	0.08
1972-73 SE OF DP		0.69	0.88	0.79	0.96	0.34	0.31	0.36	1.82	1.37	1.89	1.18	0.76	0.41	2.92	1.83	2.71	0.69	1.04	0.77	0.82	0.61
AGE: 09																						
1972-73 P-VALUE	96.04	94.70	94.38	96.71	97.93	96.50	95.61	97.18	88.02	93.82	93.40	94.40	97.31	98.62	92.32	95.07	91.47	98.68	93.68	96.41	97.09	96.49
1972-73 SE OF P-VAL	0.47	1.17	1.19	0.88	0.45	0.76	0.64	0.51	2.79	1.72	1.23	1.59	0.79	0.83	2.30	1.23	2.39	0.78	2.66	1.30	1.29	0.80
1972-73 DELTA-P		-1.34	-1.66	0.67	1.89#	0.46	-0.43	1.14#	-8.02#	-2.22	-2.64#	-1.64	1.27	2.58#	-3.72	-0.97	-4.57*	2.64#	-2.36	0.37	1.05	0.45
1972-73 SE OF DP		0.96	1.02	0.76	0.57	0.54	0.49	0.33	2.62	1.77	1.03	1.45	0.74	0.80	2.34	1.26	2.28	0.85	2.50	1.19	1.28	0.63

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 00281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part #1.

RESPONSE: 00 AGE: 13 TEXT: No Response.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.55	0.77	1.36	0.00	0.31	0.53	0.57	0.33	2.26	0.00	2.81	1.00	0.13	0.41	0.88	0.81	0.19	0.61	0.46	0.48	0.51	0.62
1972-73 SE OF P-VAL	0.22	0.38	0.87	0.00	0.26	0.21	0.38	0.15	1.51	0.00	1.93	0.79	0.09	0.22	0.49	0.62	0.19	0.46	0.45	0.41	0.29	0.44
1972-73 DELTA-P		0.22	0.81	-0.55#	-0.24	-0.02	0.02	-0.22	1.71	-0.55#	1.86	0.45	-0.42	-0.14	0.33	0.26	-0.36	0.06	-0.09	-0.07	-0.04	0.07
1972-73 SE OF DP		0.36	0.69	0.22	0.29	0.21	0.21	0.19	1.33	0.22	1.76	0.61	0.22	0.23	0.48	0.47	0.29	0.46	0.45	0.40	0.33	0.28

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.51	0.72	0.40	0.46	0.44	0.51	0.51	0.24	1.48	2.21	[illegible]	1.42	0.33	0.22	0.00	0.45	0.96	0.71	2.20	0.00	0.23	0.18
1972-73 SE OF P-VAL	0.17	0.38	0.29	0.35	0.33	0.22	0.26	0.12	0.83	1.27	[illegible]	0.90	0.23	0.16	0.00	0.43	0.70	0.48	1.15	0.00	0.21	0.17
1972-73 DELTA-P		0.21	-0.11	-0.05	-0.07	0.00	0.00	-0.27	0.93	1.70	1.56	0.91	-0.18	-0.29	-0.51#	-0.06	0.45	0.20	1.69	-0.51#	-0.28	-0.33
1972-73 SE OF DP		0.31	0.28	0.28	0.29	0.18	0.16	0.14	0.72	1.20	1.26	0.83	0.23	0.17	0.17	0.43	0.64	0.43	1.04	0.17	0.25	0.20

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.31	0.40	0.57	0.00	0.35	0.22	0.39	0.13	0.97	1.03	0.98	0.18	0.00	0.00	1.07	0.46	0.76	0.00	0.71	0.24	0.00	0.30
1972-73 SE OF P-VAL	0.14	0.40	0.43	0.00	[illegible]	0.13	0.25	0.08	[illegible]	1.00	0.52	0.18	0.00	0.00	1.07	0.50	0.56	0.00	0.72	0.24	0.00	0.18
1972-73 DELTA-P		0.09	0.26	-0.31*	0.04	-0.09	0.08	-0.18	0.66	1.52	0.67	-0.13	-0.31*	-0.31*	0.76	0.15	0.45	-0.31*	0.40	-0.07	-0.31*	-0.01
1972-73 SE OF DP		0.32	0.36	0.14	0.20	0.15	0.14	[illegible]	0.88	0.92	0.39	0.21	0.14	0.14	1.05	0.44	0.47	0.14	0.63	0.26	0.14	0.14

RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	90.95	91.98	88.32	92.52	90.37	92.43	89.47	93.10	80.61	82.35	81.56	86.09	92.34	93.76	86.21	89.99	84.82	94.19	89.56	94.56	90.15	90.55
1972-73 SE OF P-VAL	0.77	1.68	2.17	0.98	1.38	0.97	1.03	0.66	2.21	3.45	3.97	2.07	1.13	0.81	2.15	1.58	3.02	1.47	2.07	1.13	1.90	1.37
1972-73 DELTA-P		1.03	-2.63	1.57	-0.58	1.48*	-1.48*	2.15#	-10.34#	-8.60#	-9.39#	-4.86*	1.39	2.81#	-4.74#	-0.96	-6.13*	3.24*	-1.39	3.61#	-0.80	-0.40
1972-73 SE OF DP		1.45	1.81	0.97	1.24	0.64	0.63	0.45	1.80	3.32	3.88	1.98	0.79	0.91	1.88	1.37	3.00	1.50	2.64	1.28	1.74	1.02

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	93.34	94.29	91.54	94.12	92.95	95.17	91.67	94.28	90.43	86.45	90.65	90.94	94.29	93.97	90.46	95.38	92.11	91.37	93.48	94.05	93.78	93.55
1972-73 SE OF P-VAL	0.58	1.08	1.25	1.09	1.21	0.69	0.86	0.66	1.62	3.08	2.38	2.18	1.00	0.91	3.55	1.73	1.82	2.86	2.00	1.89	1.44	0.99
1972-73 DELTA-P		0.95	-1.80	0.78	-0.39	1.83#	-1.67#	0.94#	-2.91	-6.89*	-2.69	-2.40	0.95	0.63	-2.88	2.04	-1.23	-1.97	0.14	0.71	0.44	0.21
1972-73 SE OF DP		0.94	1.10	0.92	1.06	0.55	0.50	0.34	1.57	2.95	2.25	2.23	0.71	0.66	3.57	1.66	1.88	2.67	1.88	1.77	1.42	0.86

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	94.94	94.26	94.84	95.73	94.84	96.09	93.87	95.29	92.51	94.20	93.78	94.50	95.06	96.18	95.64	93.73	92.41	95.27	93.29	95.79	96.63	95.30
1972-73 SE OF P-VAL	0.53	1.17	1.21	1.03	0.93	0.77	0.74	0.57	2.58	1.71	1.08	1.61	0.91	0.98	2.35	1.67	2.12	1.00	2.64	1.52	0.98	0.84
1972-73 DELTA-P		-0.68	-0.10	0.79	-0.10	1.15*	-1.07*	0.35	-2.43	-0.74	-1.16	-0.44	0.12	1.24	0.70	-1.21	-2.53	0.33	-1.65	0.85	1.69	0.36
1972-73 SE OF DP		0.98	1.07	0.89	0.84	0.55	0.51	0.31	2.40	1.76	0.90	1.49	0.72	0.81	2.42	1.63	2.32	1.71	2.42	1.46	1.02	0.70

RESPONSE: 09 AGE: 13 TEXT: I Don't Know.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.56	0.45	1.06	0.41	0.41	0.53	0.59	0.23	2.36	1.51	0.00	1.16	0.78	0.13	1.20	0.32	0.58	0.00	1.01	0.63	0.00	0.89
1972-73 SE OF P-VAL	0.15	0.29	0.36	0.29	0.26	0.27	0.24	0.11	0.93	0.82	0.00	0.91	0.44	0.10	0.54	0.23	0.41	0.00	0.72	0.38	0.00	0.34
1972-73 DELTA-P		-0.11	0.50	-0.15	-0.15	-0.03	0.03	-0.33#	1.80*	0.95	-0.56#	0.60	0.22	-0.43#	0.64	-0.24	0.02	-0.56#	0.45	0.07	-0.56#	0.33
1972-73 SE OF DP		0.26	0.31	0.24	0.24	0.21	0.21	0.12	0.83	0.78	0.15	0.84	0.36	0.16	0.55	0.25	0.41	0.15	0.64	0.34	0.15	0.27

AGE: 17

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.16	0.00	0.39	0.02	0.30	0.25	0.08	0.15	0.27	0.00	0.37	0.58	0.03	0.03	1.10	0.28	0.00	0.00	0.07	0.41	0.00	0.22
1972-73 SE OF P-VAL	0.08	0.00	0.25	0.02	0.25	0.16	0.05	0.09	0.20	0.00	0.30	0.57	0.03	0.03	1.09	0.28	0.00	0.00	0.06	0.40	0.00	0.15
1972-73 DELTA-P		-0.16*	0.23	-0.14	0.14	0.09	-0.08	-0.01	0.11	-0.16*	0.21	0.42	-0.13	-0.13	0.94	0.12	-0.16*	-0.16*	-0.09	0.25	-0.16*	0.06
1972-73 SE OF DP		0.08	0.21	0.08	0.20	0.09	0.08	0.03	0.19	0.08	0.29	0.51	0.08	0.08	1.04	0.27	0.08	0.08	0.10	0.34	0.08	0.12

AGE: Ad

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	0.44	0.76	0.78	0.16	0.16	0.28	0.59	0.16	2.53	0.76	0.90	0.00	0.37	0.18	1.89	0.00	1.75	0.42	0.63	0.20	0.46	0.25
1972-73 SE OF P-VAL	0.16	0.39	0.55	0.17	0.11	0.23	0.23	0.10	1.34	0.47	0.45	0.00	0.27	0.18	1.86	0.00	1.20	0.42	0.62	0.20	0.46	0.16
1972-73 DELTA-P		0.32	0.34	-0.28	-0.28	-0.16	0.15	-0.28	2.09	0.32	0.46	-0.44#	-0.07	-0.26	1.45	-0.44#	1.31	-0.02	0.19	-0.24	0.02	-0.19
1972-73 SE OF DP		0.32	0.45	0.20	0.18	0.17	0.16	0.15	1.21	0.47	0.33	0.16	0.23	0.20	1.85	0.16	1.08	0.41	0.55	0.24	0.47	0.18

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303013-234 00281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part 02.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.56	0.81	0.54	0.35	0.61	0.63	0.49	0.37	1.21	1.84	0.00	0.67	0.75	0.12	1.65	0.31	0.79	0.14	0.52	0.50	0.56	0.41
1972-73 SE OF P-VAL	0.16	0.39	0.32	0.22	0.36	0.23	0.20	0.15	0.58	0.98	0.00	0.49	0.34	0.07	0.69	0.23	0.48	0.13	0.37	0.37	0.41	0.34
1972-73 DELTA-P		0.25	-0.02	-0.21	0.05	0.07	-0.07	-0.19*	0.65	1.28	-0.56#	0.11	0.19	-0.44#	1.09	-0.25	0.23	-0.42*	-0.04	-0.06	0.00	0.25
1972-73 SE OF DP		0.33	0.29	0.21	0.30	0.14	0.14	0.09	0.53	0.91	0.16	0.47	0.25	0.15	0.60	0.23	0.47	0.20	0.33	0.32	0.34	0.26
AGE: 17																						
1972-73 P-VALUE	0.35	0.00	0.66	0.70	0.04	0.58	0.14	0.22	1.31	0.00	1.19	0.00	0.52	0.13	1.10	0.28	1.70	0.00	0.42	0.00	0.00	0.39
1972-73 SE OF P-VAL	0.14	0.00	0.36	0.33	0.04	0.27	0.09	0.12	0.63	0.00	[illegible]	0.00	0.35	0.08	1.09	0.28	0.95	0.00	0.36	0.00	0.00	0.23
1972-73 DELTA-P		-0.35#	0.31	0.35	-0.31*	0.23	-0.21	-0.13	0.96	-0.35#	0.84	-0.35#	0.17	-0.22	0.75	-0.07	1.35	-0.35#	0.07	-0.35#	-0.35#	0.06
1972-73 SE OF DP		0.14	0.30	0.29	0.14	0.15	0.13	0.09	0.55	0.14	0.77	0.14	0.27	0.14	1.05	0.30	0.86	0.14	0.15	0.14	0.14	0.20
AGE: Ad																						
1972-73 P-VALUE	0.49	1.29	0.78	0.00	0.00	0.55	0.43	0.04	4.36	0.00	0.98	0.83	0.18	0.00	1.90	0.00	3.17	0.00	1.36	0.00	0.46	0.09
1972-73 SE OF P-VAL	0.21	0.67	0.55	0.00	0.00	0.35	0.23	0.04	1.87	0.00	0.50	0.82	0.18	0.00	1.86	0.00	1.85	0.00	0.93	0.00	0.46	0.09
1972-73 DELTA-P		0.80	0.29	-0.49*	-0.49*	0.06	-0.06	-0.45*	3.87*	-0.49*	0.49	0.34	-0.31	-0.49*	1.41	-0.49*	2.68	-0.49*	0.87	-0.49*	-0.03	-0.40
1972-73 SE OF DP		0.51	0.47	0.21	0.21	0.22	0.20	0.20	1.67	0.21	0.39	0.71	0.21	0.21	1.83	0.21	1.67	0.21	0.86	0.21	0.46	0.21
RESPONSE: 01* AGE: 13 TEXT: All Acceptable Responses.																						
1972-73 P-VALUE	97.76	97.73	98.04	97.65	97.69	97.63	97.89	98.46	94.81	94.07	97.38	97.00	97.66	99.01	94.78	97.22	94.81	97.83	98.01	98.07	97.76	98.42
1972-73 SE OF P-VAL	0.36	0.84	0.57	0.80	0.58	0.55	0.41	0.35	1.11	2.18	1.13	1.25	0.66	0.32	1.32	1.40	1.58	0.85	1.01	0.65	1.05	0.52
1972-73 DELTA-P		-0.03	0.28	-0.11	-0.09	-0.13	0.13	0.70#	-2.95#	-3.69	-0.38	-0.76	-0.10	1.25#	-2.98#	-0.54	-2.95	0.07	0.25	0.31	0.00	0.66
1972-73 SE OF DP		0.71	0.56	0.62	0.55	0.32	0.32	0.21	0.98	2.10	1.06	1.18	0.48	0.38	1.14	1.28	1.49	0.83	0.91	0.67	0.93	0.43
AGE: 17																						
1972-73 P-VALUE	98.76	98.27	98.51	98.63	99.67	98.48	99.01	99.03	96.99	98.81	96.82	99.55	98.16	99.33	97.79	99.52	96.95	98.20	99.03	99.26	99.53	98.77
1972-73 SE OF P-VAL	0.27	0.71	0.51	0.51	0.29	0.47	0.30	0.29	0.80	1.13	1.35	0.45	0.66	0.26	1.54	0.35	1.20	0.93	0.66	0.52	0.31	0.44
1972-73 DELTA-P		-0.49	-0.25	-0.13	0.91#	-0.28	0.25	0.27	-1.77*	0.05	-1.94	0.79	-0.60	0.57*	-0.97	0.76	-1.81	-0.56	0.27	0.50	0.77	0.01
1972-73 SE OF DP		0.56	0.47	0.43	0.34	0.29	0.27	0.14	0.71	1.10	1.27	0.48	0.51	0.26	1.50	0.42	1.13	0.79	0.65	0.50	0.39	0.35
AGE: Ad																						
1972-73 P-VALUE	98.86	98.31	98.96	99.23	98.92	98.99	98.74	99.35	94.94	98.80	98.10	98.12	99.49	99.49	97.39	98.79	95.64	99.40	98.64	98.19	99.35	99.54
1972-73 SE OF P-VAL	0.28	0.73	0.59	0.45	0.45	0.42	0.37	0.21	1.94	0.61	0.60	1.12	0.31	0.28	1.99	0.74	1.96	0.44	0.93	1.29	0.50	0.21
1972-73 DELTA-P		-0.55	0.10	0.37	0.06	0.13	-0.12	0.49*	-3.92*	-0.06	-0.76	-0.74	0.63*	0.63	-1.47	-0.07	-3.22	0.54	-0.22	-0.67	0.49	0.68*
1972-73 SE OF DP		0.54	0.53	0.41	0.41	0.29	0.27	0.21	1.77	0.57	0.46	0.97	0.29	0.34	1.99	0.75	1.80	0.45	0.87	1.17	0.56	0.30

EXERCISE: 303013-234 00281

Part 01.

	NATION	NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
RESPONSE: 00 AGE: 13 TEXT: No Response.																						
1972-73 P-VALUE	0.35	0.24	1.13	0.17	0.00	0.29	0.41	0.13	1.98	0.00	2.01	1.16	0.29	0.00	0.32	0.95	0.00	0.14	0.00	0.00	0.92	0.39
1972-73 SE OF P-VAL	0.20	0.19	0.84	0.17	0.00	0.14	0.37	0.08	1.52	0.00	1.92	0.84	0.21	0.00	0.23	0.67	0.00	0.13	0.00	0.00	0.51	0.39
1972-73 DELTA-P		-0.11	0.78	-0.18	-0.35	-0.06	0.06	-0.22	1.63	-0.35	1.66	0.81	-0.06	-0.35	-0.03	0.60	-0.35	-0.21	-0.35	-0.35	0.57	0.04
1972-73 SE OF DP		0.24	0.66	0.23	0.20	0.20	0.20	0.19	1.34	0.20	1.74	0.67	0.24	0.20	0.28	0.50	0.20	0.23	0.20	0.20	0.48	0.23
AGE: 17																						
1972-73 P-VALUE	0.20	0.00	0.39	0.41	0.00	0.23	0.17	0.10	0.94	0.00	1.59	0.00	0.19	0.05	0.00	0.00	0.28	0.00	1.05	0.00	0.22	0.17
1972-73 SE OF P-VAL	0.11	0.00	0.29	0.34	0.00	0.14	0.18	0.08	0.70	0.00	1.29	0.00	0.19	0.06	0.00	0.00	0.26	0.00	0.99	0.00	0.21	0.17
1972-73 DELTA-P		-0.20	0.19	0.21	-0.20	0.03	-0.03	-0.10	0.74	-0.20	1.39	-0.20	-0.01	-0.15	-0.20	-0.20	0.08	-0.20	0.85	-0.20	0.02	-0.03
1972-73 SE OF DP		0.11	0.24	0.25	0.11	0.12	0.11	0.10	0.61	0.11	1.20	0.11	0.17	0.11	0.11	0.11	0.26	0.11	0.91	0.11	0.22	0.16
AGE: Ad																						
1972-73 P-VALUE	0.33	0.41	0.66	0.00	0.34	0.29	0.37	0.00	1.96	2.26	1.15	0.18	0.00	0.00	0.00	0.46	1.89	0.00	0.72	0.20	0.00	0.10
1972-73 SE OF P-VAL	0.16	0.40	0.53	0.00	0.24	0.23	0.23	0.00	1.37	1.21	0.58	0.18	0.00	0.00	0.00	0.50	1.24	0.00	0.72	0.20	0.00	0.09
1972-73 DELTA-P		0.08	0.33	-0.33*	0.01	-0.04	0.04	-0.33*	1.63	1.93	0.82	-0.15	-0.33*	-0.33*	-0.33*	0.13	1.56	-0.33*	0.39	-0.13	-0.33*	-0.23
1972-73 SE OF DP		0.32	0.43	0.16	0.23	0.17	0.16	0.16	1.23	1.15	0.43	0.20	0.16	0.16	0.16	0.49	1.10	0.16	0.63	0.22	0.16	0.17

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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                          NATION |              REGION              |      SEX       |          RACE          |               PARENTAL EDUCATION              |                 SIZE-AND-TYPE OF COMMUNITY
                                 | NORTH   SOUTH                    |                |                 OTHER  |          SOME     GRAD     POST              |EXTREME   LOW     HIGH    MAIN   URBAN   MEDIUM   SMALL
                          _______|  EAST    EAST  CENTRAL   WEST    |  MALE  FEMALE  | WHITE   BLACK    RACE  | NO HS    HS       HS       HS    UNKNOWN   | RURAL   METRO   METRO  BIG CTY FRINGE   CITY   PLACES

EXERCISE: 303013-234   UU281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part #1.

RESPONSE:  03*   AGE: 13       TEXT:  All Acceptable Responses.

    1972-73 P-VALUE        95.01    96.26   91.39   96.71   94.91    94.79   95.23    97.12   82.07   92.53    89.78   91.90   96.73   97.03   88.98    93.53   90.15   98.12   95.27   96.70   94.11   94.94
    1972-73 SE OF P-VAL     0.68     1.05    2.20    0.96    1.12     0.89    0.70     0.52    3.34    1.94     2.74    1.98    0.63    0.77    1.88     2.11    2.24    0.65    1.81    0.87    1.92    1.22
    1972-73 DELTA-P                  1.25  -3.62*    1.70   -0.10    -0.22    0.22    2.11#-12.94#   -2.48   -5.23*   -3.11   1.72#   2.02#  -6.03#    -1.48  -4.86*   3.11#    0.26    1.69   -0.90   -0.07
    1972-73 SE OF DP                 1.01    1.79    0.90    1.04     0.42    0.42     0.45    3.01    2.00     2.34    1.65    0.59    0.67    1.63     1.84    2.16    0.79    1.77    1.02    1.68    0.94

                 AGE: 17

    1972-73 P-VALUE        98.67    99.32   98.77   97.91   98.78    98.29   99.01    99.16   96.33   96.87    96.68   99.03   98.27   99.20   97.97    98.53   96.04   99.33   98.35  100.00   98.92   98.57
    1972-73 SE OF P-VAL     0.33     0.45    0.56    0.91    0.51     0.44    0.43     0.26    1.55    1.68     1.60    0.64    0.64    0.30    1.44     0.92    1.64    0.64    1.12    0.00    0.52    0.53
    1972-73 DELTA-P                  0.65    0.10   -0.76    0.11    -0.38    0.34     0.49   -2.34   -1.80    -1.99    0.36   -0.40   0.53*   -0.70    -0.14   -2.63    0.66   -0.32   1.33#    0.25   -0.10
    1972-73 SE OF DP                 0.46    0.54    0.68    0.50     0.28    0.26     0.26    1.33    1.61     1.51    0.64    0.47    0.26    1.27     0.92    1.63    0.63    0.98    0.33    0.57    0.48

                 AGE: Ad

    1972-73 P-VALUE        97.17    96.64   93.80   99.33   98.08    96.08   98.19    97.96   91.76   95.26    95.11   97.09   98.43   98.69   88.71    96.32   95.25   98.61   94.95   99.40   97.56   96.89
    1972-73 SE OF P-VAL     0.52     1.40    1.57    0.24    0.72     0.66    0.44     0.45    2.68    1.52     1.02    1.13    0.64    0.96    4.10     1.87    1.68    1.11    3.90    0.20    1.24    0.62
    1972-73 DELTA-P                 -0.53  -3.37#   2.16#    0.91   -1.09*   1.02*    0.79#  -5.41*   -1.91   -2.06#   -0.08   1.26*    1.52  -8.46*    -0.85   -1.92    1.44   -2.22   2.23#    0.39   -0.28
    1972-73 SE OF DP                 1.11    1.31    0.56    0.71     0.46    0.42     0.28    2.38    1.56     0.75    1.09    0.56    0.76    4.12     1.76    1.71    1.08    3.61    0.56    1.26    0.68

RESPONSE:  09    AGE: 13       TEXT:  I Don't Know.

    1972-73 P-VALUE         0.48     0.29    1.28    0.05    0.49     0.56    0.40     0.11    2.17    2.10     0.23    1.69    0.41    0.04    1.32     0.17    0.19    0.00    0.60    0.36    0.14    1.02
    1972-73 SE OF P-VAL     0.17     0.17    0.62    0.04    0.32     0.28    0.15     0.06    1.12    1.42     0.23    0.89    0.37    0.03    0.68     0.17    0.18    0.00    0.58    0.25    0.13    0.48
    1972-73 DELTA-P                 -0.19    0.80  -0.43#    0.01     0.08   -0.08   -0.37*    1.69    1.62    -0.25    1.21   -0.07  -0.44#    0.84    -0.31   -0.29  -0.48#    0.12   -0.12   -0.34    0.54
    1972-73 SE OF DP                 0.21    0.49    0.17    0.28     0.15    0.15     0.16    1.00    1.35     0.27    0.84    0.28    0.17    0.61     0.21    0.24    0.17    0.53    0.27    0.19    0.35

                 AGE: 17

    1972-73 P-VALUE         0.10     0.00    0.46    0.00    0.00     0.10    0.10     0.12    0.00    0.00     0.00    0.00    0.00    0.10    1.11     0.00    0.00    0.00    0.00    0.00    0.00    0.30
    1972-73 SE OF P-VAL     0.10     0.00    0.45    0.00    0.00     0.10    0.09     0.12    0.00    0.00     0.00    0.00    0.00    0.10    1.09     0.00    0.00    0.00    0.00    0.00    0.00    0.29
    1972-73 DELTA-P                 -0.10    0.36   -0.10   -0.10     0.00    0.00     0.02   -0.10   -0.10    -0.10   -0.10   -0.10    0.00    1.01    -0.10   -0.10   -0.10   -0.10   -0.10   -0.10    0.20
    1972-73 SE OF DP                 0.10    0.35    0.10    0.10     0.01    0.00     0.02    0.10    0.10     0.10    0.10    0.10    0.00    0.99     0.10    0.10    0.13    0.10    0.10    0.10    0.20

                 AGE: Ad

    1972-73 P-VALUE         0.12     0.15    0.30    0.00    0.07     0.05    0.18     0.08    0.00    1.03     0.36    0.00    0.00    0.00    0.95     0.00    0.83    0.00    0.00    0.00    0.00    0.11
    1972-73 SE OF P-VAL     0.06     0.15    0.22    0.00    0.07     0.05    0.11     0.05    0.00    0.72     0.22    0.00    0.00    0.00    0.96     0.00    0.60    0.00    0.00    0.00    0.00    0.08
    1972-73 DELTA-P                  0.03    0.18   -0.12   -0.05    -0.07    0.06    -0.04   -0.12    0.91     0.24   -0.12   -0.12   -0.12    0.83    -0.12    0.71   -0.12   -0.12   -0.12   -0.12   -0.01
    1972-73 SE OF DP                 0.15    0.18    0.06    0.08     0.06    0.06     0.04    0.06    0.68     0.16    0.06    0.06    0.06    0.94     0.06    0.55    0.06    0.06    0.06    0.06    0.07

EXERCISE: 303013-234   UU281

Part #2.

RESPONSE:  00    AGE: 13       TEXT:  No Response.

    1972-73 P-VALUE         0.82     1.53    0.70    0.11    1.12     0.80    0.84     0.77    1.15    0.83     0.98    1.21    0.70    0.59    1.53     0.17    1.50    1.08    1.04    1.08    0.62    0.63
    1972-73 SE OF P-VAL     0.22     0.79    0.35    0.08    0.42     0.25    0.28     0.23    0.40    0.57     0.70    0.61    0.31    0.24    0.56     0.17    0.79    0.91    0.53    0.56    0.39    0.33
    1972-73 DELTA-P                  0.71   -0.12  -0.71#    0.30    -0.02    0.02    -0.05    0.33    0.01     0.16    0.39   -0.12   -0.24    0.71   -0.65*    0.68    0.26    0.22    0.26   -0.20   -0.19
    1972-73 SE OF DP                 0.63    0.34    0.23    0.37     0.14    0.14     0.06    0.35    0.48     0.68    0.52    0.24    0.16    0.45     0.27    0.68    0.76    0.49    0.50    0.40    0.30

                 AGE: 17

    1972-73 P-VALUE         0.78     0.80    0.67    0.90    0.72     1.15    0.44     0.45    1.81    3.13     1.70    1.42    0.70    0.45    1.94     0.44    3.86    0.71    1.50    0.00    0.00    0.43
    1972-73 SE OF P-VAL     0.21     0.40    0.38    0.42    0.47     0.38    0.25     0.18    0.78    1.80     0.92    0.90    0.33    0.20    1.34     0.43    1.34    0.48    0.82    0.00    0.00    0.26
    1972-73 DELTA-P                  0.02   -0.11    0.12   -0.06     0.37   -0.34   -0.33*    1.03    2.35     0.92    0.64   -0.08   -0.33    1.16    -0.34   3.08#   -0.07    0.72  -0.78#  -0.78#   -0.35
    1972-73 SE OF DP                 0.35    0.36    0.35    0.40     0.24    0.22     0.16    0.70    1.70     0.81    0.80    0.30    0.20    1.30     0.45    1.21    0.44    0.78    0.21    0.21    0.26

                 AGE: Ad

    1972-73 P-VALUE         0.43     0.90    0.69    0.21    0.00     0.41    0.44     0.24    1.83    0.67     0.70    1.19    0.12    0.00    0.95     0.74    1.82    0.00    0.72    0.00    0.00    0.37
    1972-73 SE OF P-VAL     0.15     0.52    0.23    0.21    0.00     0.29    0.20     0.05    1.36    0.67     0.35    0.90    0.12    0.00    0.96     0.76    1.27    0.00    0.72    0.00    0.00    0.12
    1972-73 DELTA-P                  0.47    0.26   -0.22  -0.43#    -0.02    0.01    -0.19    1.40    0.24     0.27    0.76   -0.31  -0.43#    0.52     0.31    1.39  -0.43#    0.29  -0.43#  -0.43#   -0.06
    1972-73 SE OF DP                 0.40    0.23    0.20    0.15     0.20    0.19     0.13    1.24    0.71     0.33    0.78    0.20    0.15    0.95     0.71    1.16    0.15    0.67    0.15    0.15    0.16


*  The absolute value of this number is greater than 2.0 times its standard error.
#  The absolute value of this number is greater than 2.5 times its standard error.
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EXERCISE: 303013-23A 00281

This unreleased non-change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

Part #2.

RESPONSE: 02* AGE: 13 TEXT: All Acceptable Responses.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
1972-73 P-VALUE	91.80	92.35	88.83	92.48	93.01	92.59	91.01	94.10	78.45	87.45	84.27	87.08	93.35	95.35	83.47	90.12	79.97	94.79	92.78	93.75	94.36	91.69
1972-73 SE OF P-VAL	0.72	1.64	1.75	1.18	1.30	0.81	1.03	0.64	2.32	3.17	3.11	1.92	0.98	0.67	2.40	2.46	3.29	1.61	1.99	1.46	1.52	1.22
1972-73 DELTA-P		0.55	-2.97	0.68	1.21	0.79	-0.79	2.30#	-13.35#	-4.35	-7.53#	-4.72#	1.55	3.55#	-8.33#	-1.68	-11.83#	2.99	0.98	1.95	2.56	-0.11
1972-73 SE OF DP		1.39	1.53	1.03	1.16	0.58	0.59	0.40	2.20	3.02	2.89	1.77	0.87	0.63	2.10	2.39	3.15	1.53	1.82	1.33	1.41	1.13
AGE: 17																						
1972-73 P-VALUE	95.09	94.74	95.23	95.03	95.42	95.24	94.95	96.35	87.96	93.12	93.17	94.50	93.98	96.71	88.95	94.06	88.18	94.55	95.61	97.09	96.62	96.01
1972-73 SE OF P-VAL	0.55	1.20	1.03	1.10	0.92	0.77	0.73	0.50	1.75	2.60	1.74	1.54	1.02	0.62	4.27	1.31	2.33	1.87	1.65	1.34	0.83	0.76
1972-73 DELTA-P		-0.35	0.14	-0.06	0.33	0.15	-0.14	1.26#	-7.13#	-1.97	-1.92	-0.59	-1.11	1.62#	-6.14	-1.03	-6.91#	-0.54	0.52	2.00	1.53	0.92
1972-73 SE OF DP		0.99	0.95	0.90	0.86	0.53	0.49	0.32	1.57	2.47	1.60	1.39	0.89	0.48	4.13	1.30	2.22	1.66	1.56	1.21	1.00	0.69
AGE: Ad																						
1972-73 P-VALUE	94.29	92.84	93.48	93.93	96.69	95.15	93.49	95.00	88.27	94.88	91.61	91.99	95.83	97.01	90.39	94.11	90.79	98.30	88.63	95.39	95.69	94.28
1972-73 SE OF P-VAL	0.62	1.39	1.37	1.27	0.91	0.85	0.86	0.62	2.59	1.77	1.21	1.90	0.96	0.99	3.48	1.87	2.50	0.78	3.35	1.76	1.53	0.94
1972-73 DELTA-P		-1.45	-0.81	-0.36	2.40#	0.86	-0.80	0.71#	-6.02*	0.59	-2.68#	-2.30	1.54	2.72#	-3.90	-0.18	-3.50	4.01#	-5.66	1.10	1.40	-0.01
1972-73 SE OF DP		1.16	1.22	1.05	0.88	0.61	0.56	0.28	2.42	1.74	1.01	1.71	0.82	0.87	3.36	1.87	2.35	0.93	3.13	1.60	1.48	0.77

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

NAEP #: 303083-3

72-73 Report #: UB287

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: C. Appreciate the scientific enterprise.

Science Type: Biological science

Exercise Type: Multiple part multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	17IS
72-73 Package-Exercise:	09-01

72-73 National P-val:	
UB287A	83.21
UB287B	78.57
UB287C	66.95

Timing: (in seconds)

UB287	Introduction:	15
	Stimulus:	7
	Response:	6
	I don't know:	4
	Pause:	4
UB287A	Part total:	21
	Stimulus:	8
	Response:	5
	I don't know:	1
	Pause:	3
UB287B	Part total:	17
	Stimulus:	8
	Response:	5
	I don't know:	1
	Pause:	5
UB287C	Part total:	19
UB287	Exercise total:	72

EXERCISE: 303083-3   UB287

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIIC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
Part A.																						
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	1.22	0.00	0.11	0.00	5.01	0.94	1.48	1.36	0.56	0.72	1.03	1.41	1.06	1.41	0.00	0.00	0.00	0.00	3.00	0.00	3.98	1.48
1972-73 SE OF P-VAL	0.85	0.00	0.11	0.00	3.67	0.75	1.09	0.96	0.43	0.75	0.61	1.20	0.76	1.02	0.00	0.00	0.00	0.00	2.98	0.00	3.77	1.08
1972-73 DELTA-P		-1.22	-1.11	-1.22	3.79	-0.28	0.26	0.14	-0.66	-0.50	-0.19	0.19	-0.16	0.19	-1.22	-1.22	-1.22	-1.22	1.78	-1.22	2.76	0.26
1972-73 SE OF DP		0.85	0.86	0.85	2.82	0.42	0.38	0.12	0.68	0.58	0.46	0.65	0.15	0.25	0.85	0.85	0.85	0.85	2.50	0.85	3.21	0.38
RESPONSE: 01* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	83.21	89.07	81.20	84.92	76.47	83.76	82.71	87.27	63.80	68.89	73.27	66.50	81.95	90.90	62.68	81.91	75.43	89.41	79.19	87.97	80.34	83.04
1972-73 SE OF P-VAL	1.15	2.08	2.15	1.56	3.49	1.49	1.57	1.25	3.50	4.49	3.03	4.14	1.60	1.30	5.40	3.41	4.05	3.37	3.70	2.27	4.29	1.71
1972-73 DELTA-P		5.86#	-2.01	1.71	-6.74*	0.55	-0.50	4.06#	-19.41#	-14.32#	-9.94#	-16.71#	-1.26	7.69#	-20.53#	-1.30	-7.78	6.20	-4.02	4.76*	-2.87	-0.17
1972-73 SE OF DP		1.86	2.02	1.53	2.84	1.06	0.97	0.65	3.34	4.52	3.15	3.67	1.30	1.03	5.40	3.30	3.95	3.19	3.41	2.27	3.86	1.84
RESPONSE: 09 AGE: 17	TEXT: I Don't Know.																					
1972-73 P-VALUE	2.45	1.44	3.63	1.74	3.38	2.15	2.73	1.16	8.59	7.04	2.14	5.72	1.93	1.34	11.07	3.00	4.72	1.04	2.25	2.23	2.54	2.39
1972-73 SE OF P-VAL	0.38	0.81	0.89	0.58	0.77	0.45	0.54	0.32	1.77	1.81	0.98	1.94	0.60	0.37	3.90	1.14	1.37	0.61	1.04	1.18	1.38	0.75
1972-73 DELTA-P		-1.01	1.18	-0.71	0.93	-0.30	0.28	-1.29#	6.14#	4.59#	-0.31	3.27	-0.52	-1.11#	8.62*	0.55	2.27	-1.41*	-0.20	-0.22	0.09	-0.06
1972-73 SE OF DP		0.68	0.78	0.54	0.67	0.35	0.32	0.29	1.57	1.75	0.99	1.78	0.47	0.42	3.76	1.09	1.28	0.60	1.08	1.08	1.32	0.61
EXERCISE: 303083-3 UB287																						
Part B.																						
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	1.19	0.00	0.00	0.00	5.01	0.88	1.47	1.35	0.37	0.71	0.71	1.40	1.05	1.41	0.00	0.00	0.00	0.00	3.00	0.00	3.78	1.47
1972-73 SE OF P-VAL	0.85	0.00	0.00	0.00	3.67	0.75	1.09	0.96	0.38	0.75	0.52	1.20	0.76	1.02	0.00	0.00	0.00	0.00	2.98	0.00	3.77	1.08
1972-73 DELTA-P		-1.19	-1.19	-1.19	3.82	-0.31	0.28	0.16	-0.82	-0.48	-0.48	0.21	-0.14	0.22	-1.19	-1.19	-1.19	-1.19	1.81	-1.19	2.59	0.28
1972-73 SE OF DP		0.85	0.85	0.85	2.82	0.42	0.38	0.12	0.66	0.58	0.35	0.65	0.14	0.25	0.85	0.85	0.85	0.85	2.50	0.85	3.20	0.38
RESPONSE: 01* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	78.57	86.02	75.13	80.26	71.36	79.97	77.29	79.92	70.38	77.70	76.95	68.94	77.10	82.11	74.54	72.70	75.68	85.47	78.86	80.17	74.10	78.63
1972-73 SE OF P-VAL	1.11	1.88	2.30	1.25	3.49	1.22	1.51	1.30	2.46	3.92	4.03	3.72	1.83	1.51	5.01	2.24	3.35	2.49	3.53	3.21	4.41	1.64
1972-73 DELTA-P		7.45#	-3.44	1.69	-7.21#	1.40	-1.28	1.35#	-8.19#	-0.87	-1.62	-9.63#	-1.47	3.54#	-4.03	-5.87#	-2.89	6.90#	0.29	1.60	-4.47	0.06
1972-73 SE OF DP		1.74	2.08	1.37	2.83	0.86	0.78	0.50	2.59	3.72	3.88	3.41	1.67	0.98	4.93	2.33	3.31	2.34	3.16	2.99	3.91	1.48
RESPONSE: 09 AGE: 17	TEXT: I Don't Know.																					
1972-73 P-VALUE	9.99	7.25	11.12	9.94	12.05	8.69	11.18	8.11	20.48	13.31	12.30	16.62	11.65	6.76	15.29	11.43	17.08	7.61	11.52	11.38	9.35	7.76
1972-73 SE OF P-VAL	0.69	1.36	1.50	1.14	1.55	0.97	1.08	0.80	2.25	2.93	2.66	3.28	1.42	0.77	3.87	2.53	2.61	2.02	1.56	2.22	2.25	1.03
1972-73 DELTA-P		-2.74*	1.13	-0.05	2.06	-1.30	1.19	-1.88#	10.49#	3.32	2.31	6.63*	1.66	-3.23#	5.30	1.44	7.09#	-2.38	1.53	1.39	-0.64	-2.23*
1972-73 SE OF DP		1.17	1.33	1.01	1.32	0.81	0.73	0.49	2.11	2.88	2.47	3.15	1.14	0.65	3.90	2.38	2.59	1.87	1.45	2.04	2.03	0.93
EXERCISE: 303083-3 UB287																						
Part C.																						
RESPONSE: 00 AGE: 17	TEXT: No Response.																					
1972-73 P-VALUE	1.21	0.00	0.08	0.00	5.01	0.92	1.47	1.36	0.50	0.72	0.72	1.40	1.06	1.44	0.00	0.00	0.16	0.00	3.00	0.00	3.78	1.47
1972-73 SE OF P-VAL	0.85	0.00	0.07	0.00	3.67	0.75	1.09	0.96	0.40	0.75	0.52	1.20	0.76	1.02	0.00	0.00	0.16	0.00	2.98	0.00	3.77	1.08
1972-73 DELTA-P		-1.21	-1.13	-1.21	3.80	-0.29	0.26	0.15	-0.71	-0.49	-0.49	0.19	-0.15	0.23	-1.21	-1.21	-1.05	-1.21	1.79	-1.21	2.57	0.26
1972-73 SE OF DP		0.85	0.85	0.85	2.82	0.42	0.38	0.12	0.67	0.58	0.35	0.65	0.14	0.25	0.85	0.85	0.86	0.85	2.50	0.85	3.20	0.38
RESPONSE: 01* AGE: 17	TEXT: All Acceptable Responses.																					
1972-73 P-VALUE	66.95	74.48	64.70	67.68	59.78	69.39	64.73	68.94	57.54	59.75	64.93	57.95	64.78	72.06	49.03	59.35	60.47	76.93	62.83	68.48	66.37	66.93
1972-73 SE OF P-VAL	1.42	2.82	2.34	2.54	3.89	1.63	1.87	1.59	2.80	4.10	2.98	3.87	2.74	1.69	6.55	4.23	3.53	4.21	3.46	3.96	3.44	1.88
1972-73 DELTA-P		7.53#	-2.25	0.73	-7.17*	2.44*	-2.22*	1.99#	-9.41#	-7.20	-2.02	-9.00*	-2.17	5.11#	-17.92#	-7.60	-6.48	9.98#	-4.12	1.53	-0.58	-0.02
1972-73 SE OF DP		2.48	2.29	2.18	3.22	1.08	1.00	0.51	2.67	3.94	2.87	3.90	1.99	1.18	6.30	3.91	3.45	3.60	3.36	3.66	3.11	1.68

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

EXERCISE: 303083-3 UB207

This unreleased non-change exercise dealt with BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIIC.

Part C.

RESPONSE: 09 AGE: 17 TEXT: I Don't Know.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMM				UR
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBA FRIN
1972-73 P-VALUE	14.02	11.17	14.66	15.06	15.33	11.72	16.12	11.42	26.32	23.43	19.51	22.60	12.93	10.06	35.53	18.00	24.63	9.00	14.74	16.8
1972-73 SE OF P-VAL	1.01	2.12	2.07	1.53	2.44	1.18	1.69	1.02	2.62	4.22	3.38	3.23	1.48	1.26	7.19	3.57	3.50	2.64	3.06	3.1
1972-73 DELTA-P		-2.85	0.64	1.04	1.31	-2.30*	2.10*	-2.60#	12.30#	9.41*	5.49	8.58#	-1.09	-3.96#	21.51#	3.98	10.61#	-5.02*	0.72	2.7
1972-73 SE OF DP		1.79	1.87	1.42	2.04	1.11	1.03	0.53	2.34	3.96	3.07	3.08	1.34	0.93	6.91	3.35	3.30	2.32	2.99	2.7

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

UB207 303083-3

REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
TH AST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES

ith BIOLOGICAL SCIENCE measuring the 1972-73 Objective IIIC.

n't Know.

.17	18.66	15.06	15.33	11.72	16.12	11.42	26.32	23.83	19.51	22.60	12.93	10.06	35.53	18.00	24.63	9.00	14.74	16.01	12.50	11.16
.12	2.07	1.53	2.44	1.10	1.69	1.02	2.62	4.22	3.38	3.23	1.48	1.26	7.19	3.57	3.50	2.64	3.06	3.15	2.55	1.17
.85	0.64	1.04	1.31	-2.30*	2.10*	-2.60#	12.30#	9.61*	5.69	8.58#	-1.09	-3.96#	21.51#	3.98	10.61#	-5.02*	0.72	2.79	-1.84	-2.06*
.78	1.07	1.42	2.04	1.11	1.03	0.53	2.34	3.94	3.07	3.08	1.34	0.93	6.91	1.35	3.30	2.32	2.99	2.75	2.01	1.24

ater than 2.0 times its sta'dard error.
ater than 2.5 times its standard error.

NAEP #: 303084-1

72-73 Report #: 0U288
69-70 Report #: U680

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: C. Appreciate the scientific enterprise.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age:	9
72-73 Package-Exercise:	02-01
69-70 Package-Exercise:	03-20

72-73 National P-val:
0U288 89.15
69-70 National P-value:
0U288 86.03

Timing: (in seconds)
Stimulus: 5
Response: 14
I don't know: 5
Pause: 6
0U288 Exercise total: 30

303084-1   U0288

EXERCISE: 303084-1   U0288

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF CO			
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY
RESPONSE: 00 AGE: 9 TEXT: No Response.																			
1972-73 P-VALUE	0.33	0.10	0.68	0.13	0.47	0.49	0.17	0.14	1.02	1.10	0.62	1.01	0.28	0.00	0.42	0.36	0.31	0.20	0.00
1969-70 P-VALUE	0.07	0.13	0.07	0.00	0.10	0.11	0.03	0.07	0.11	0.00	0.00	0.00	0.22	0.00	0.04	0.14	0.31	0.00	0.00
CHANGE P-VALUE	0.26*	-0.03	0.61	0.13	0.37	0.38	0.14	0.07	0.91	1.10	0.62	1.01	0.06	0.00	0.38	0.22	0.00	0.20	0.00
1972-73 SE OF P-VAL	0.12	0.09	0.39	0.12	0.27	0.22	0.11	0.07	0.66	0.76	0.62	0.69	0.19	0.00	0.23	0.26	0.31	0.19	0.00
1969-70 SE OF P-VAL	0.04	0.13	0.07	0.00	0.09	0.08	0.03	0.05	0.11	0.00	0.00	0.00	0.16	0.00	0.04	0.14	0.31	0.00	0.00
SE OF CHANGE P-VALUE	0.13	0.16	0.40	0.12	0.28	0.23	0.11	0.09	0.67	0.76	0.62	0.69	0.25	0.00	0.23	0.30	0.44	0.19	0.00
1972-73 DELTA-P		-0.23	0.35	-0.20	0.14	0.16	-0.16	-0.19	0.69	0.77	0.29	0.68	-0.05	-0.25*	0.09	0.03	-0.02	-0.13	-0.33#
1969-70 DELTA-P		0.06	0.00	-0.07	0.03	0.04	-0.04	0.00	0.04	-0.07	-0.07	-0.07	0.15	-0.07	-0.03	0.07	0.24	-0.07	-0.07
CHANGE DELTA-P		-0.29	0.35	-0.13	0.11	0.12	-0.12	-0.19	0.65	0.84	0.36	0.75	-0.20	-0.18	0.12	-0.04	-0 26	-0.06	-0.26*
1972-73 SE OF DP		0.14	0.30	0.15	0.24	0.13	0.12	0.11	0.58	0.71	0.60	0.65	0.19	0.12	0.15	0.26	0.30	0.20	0.12
1969-70 SE OF DP		0.10	0.07	0.04	0.08	0.04	0.04	0.02	0.11	0.04	0.04	0.04	0.12	0.04	0.05	0.14	0.29	0.04	0.04
SE OF CHANGE DELTA-P		0.17	0.31	0.16	0.25	0.14	0.13	0.11	0.59	0.71	0.60	0.65	0.22	0.13	0.16	0.30	0.42	0.20	0.13
RESPONSE: 01* AGE: 9 TEXT: All Acceptable Responses.																			
1972-73 P-VALUE	89.15	87.91	87.90	89.40	91.72	86.77	91.46	91.03	81.16	83.53	89.73	88.59	88.75	92.73	86.88	89.95	80.65	90.55	90.76
1969-70 P-VALUE	86.03	88.78	79.83	83.94	90.56	81.31	90.93	87.34	78.89	83.64	71.42	80.78	85.63	90.93	84.79	75.75	78.71	87.77	87.68
CHANGE P-VALUE	3.12*	-0.87	8.07*	5.46	1.16	5.46*	0.53	3.69*	2.27	-0.11	18.31#	7.81	3.12	1.80	2.09	14.20*	1.94	2.78	3.08
1972-73 SE OF P-VAL	0.94	1.41	2.16	2.26	1.29	1.30	0.92	0.84	2.65	4.44	2.67	3.14	1.51	1.18	1.56	3.16	4.02	1.33	3.91
1969-70 SE OF P-VAL	1.20	1.86	2.45	2.89	1.62	1.89	1.25	1.37	2.54	3.47	4.43	3.60	2.32	1.24	1.65	5.51	2.41	4.54	2.93
SE OF CHANGE P-VALUE	1.52	2.33	3.27	3.67	2.07	2.29	1.55	1.61	3.67	5.64	5.17	4.78	2.77	1.71	2.27	6.35	4.69	4.73	4.89
1972-73 DELTA-P		-1.24	-1.25	0.25	2.57	-2.38#	2.31#	1.88#	-7.99#	-5.62	0.58	-0.56	-0.40	3.58#	-2.27*	0.80	-8.50*	1.40	1.61
1969-70 DELTA-P		2.75	-6.20#	-2.09	4.53#	-4.72#	4.90#	1.31#	-7.14#	-2.39	-14.61#	-5.25	-0.40	4.90#	-1.24	-10.20*	-7.32#	1.74	1.65
CHANGE DELTA-P		-3.99	4.95	2.34	-1.96	2.34	-2.59*	0.57	-0.85	-3.23	15.19#	4.69	0.00	-1.32	-1.03	11.00	-1.18	-0.34	-0.04
1972-73 SE OF DP		1.34	1.80	1.81	1.32	0.64	0.62	0.52	2.24	4.12	2.39	3.07	1.39	1.07	0.95	2.93	3.60	1.50	3.72
1969-70 SE OF DP		1.77	2.33	2.15	1.60	1.10	1.11	0.48	2.47	3.45	4.03	3.42	1.72	0.96	1.38	5.07	2.48	4.39	2.85
SE OF CHANGE DELTA-P		2.22	2.94	2.81	2.07	1.27	1.27	0.71	3.33	5.37	4.69	4.60	2.21	1.44	1.68	5.86	4.37	4.64	4.69
RESPONSE: 09 AGE: 9 TEXT: I Don't Know.																			
1972-73 P-VALUE	2.39	2.45	3.30	1.70	2.15	1.99	2.78	2.04	3.94	3.20	0.26	3.60	1.57	1.60	3.54	1.93	5.06	1.41	3.20
1969-70 P-VALUE	1.12	0.84	1.78	1.57	0.33	1.08	1.16	1.00	1.79	1.20	0.54	0.22	0.87	0.48	2.08	1.77	1.77	0.00	1.72
CHANGE P-VALUE	1.27*	1.61	1.52	0.13	1.82#	0.91	1.62*	1.04	2.15	2.00	-0.28	3.38	0.70	1.12	1.46	0.16	3.29	1.41	1.48
1972-73 SE OF P-VAL	0.46	1.08	1.14	0.70	0.54	0.48	0.64	0.45	1.43	1.36	0.27	2.10	0.59	0.48	0.84	1.17	1.37	0.77	2.31
1969-70 SE OF P-VAL	0.27	0.62	0.73	0.51	0.17	0.30	0.39	0.27	0.93	0.91	0.53	0.22	0.29	0.30	0.66	0.99	1.21	0.00	0.61
SE OF CHANGE P-VALUE	0.53	1.25	1.35	0.87	0.57	0.57	0.75	0.52	1.71	1.64	0.59	2.11	0.66	0.57	1.07	1.53	1.83	0.77	2.39
1972-73 DELTA-P		0.06	0.91	-0.69	-0.24	-0.40	0.39	-0.35	1.55	0.89	-2.13#	1.21	-0.82	-0.79	1.15*	-0.46	2.67*	-0.98	0.81
1969-70 DELTA-P		-0.28	0.66	0.45	-0.79#	-0.04	0.04	-0.12	0.67	0.16	-0.58	-0.90#	-0.25	-0.64	0.96*	0.65	0.65	-1.12#	0.60
CHANGE DELTA-P		0.34	0.25	-1.14	0.55	-0.36	0.35	-0.23	0.88	0.73	-1.55*	2.11	-0.57	-0.15	0.19	-1.11	2.02	0.14	0.21
1972-73 SE OF DP		0.86	0.93	0.66	0.61	0.33	0.32	0.21	1.19	1.40	0.52	1.93	0.50	0.49	0.50	1.10	1.16	0.79	2.11
1969-70 SE OF DP		0.51	0.64	0.41	0.29	0.22	0.23	0.14	0.84	0.86	0.57	0.34	0.31	0.33	0.44	0.91	1.14	0.27	0.61
SE OF CHANGE DELTA-P		1.00	1.13	0.78	0.68	0.40	0.39	0.25	1.46	1.64	0.77	1.96	0.59	0.59	0.67	1.43	1.63	0.83	2.20

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

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            REGION                !      SEX        !          RACE           !               PARENTAL EDUCATION              !                  SIZE-AND-TYPE OF COMMUNITY
 NORTH   SOUTH                    !                 !                  OTHER  !          SOME     GRAD     POST               !EXTREME  LOW      HIGH     MAIN    URBAN   MEDIUM  SMALL
  EAST    EAST  CENTRAL   WEST    !   MALE  FEMALE  !  WHITE   BLACK   RACE   !  NO HS    HS       HS       HS    UNKNOWN    !  RURAL  METRO    METRO  BIG CTY  FRINGE   CITY   PLACES


th UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.


o Response.

  0.10    0.68    0.13    0.47      0.49    0.17      0.14    1.02    1.10      0.62    1.01    0.28    0.08    0.42       0.36    0.31    0.20    0.00    0.59    0.29    0.35
  0.13    0.07    0.00    0.10      0.11    0.03      0.07    0.11    0.00      0.00    0.00    0.22    0.00    0.04       0.14    0.31    0.00    0.00    0.00    0.00    0.09
 -0.03    0.61    0.13    0.37      0.38    0.14      0.07    0.91    1.10      0.62    1.01    0.06    0.08    0.38       0.22    0.00    0.20    0.00    0.59    0.28    0.26

  0.09    0.39    0.12    0.27      0.22    0.11      0.07    0.66    0.76      0.62    0.69    0.19    0.08    0.23       0.26    0.31    0.19    0.00    0.56    0.27    0.20
  0.13    0.07    0.00    0.09      0.08    0.03      0.05    0.11    0.00      0.00    0.00    0.16    0.00    0.04       0.14    0.31    0.00    0.00    0.00    0.00    0.09
  0.18    0.40    0.12    0.28      0.23    0.11      0.09    0.67    0.76      0.62    0.69    0.25    0.08    0.23       0.30    0.44    0.19    0.00    0.56    0.27    0.22

 -0.23    0.35   -0.20    0.18      0.16   -0.16     -0.19    0.69    0.77      0.29    0.68   -0.05   -0.25*   0.09       0.03   -0.02   -0.13   -0.33#   0.26   -0.05    0.02
  0.06    0.00   -0.07    0.03      0.04   -0.04      0.00    0.04   -0.07     -0.07   -0.07    0.15   -0.07   -0.03       0.07    0.24   -0.07   -0.07   -0.07   -0.07    0.02
 -0.29    0.35   -0.13    0.11      0.12   -0.12     -0.19    0.65    0.84      0.36    0.75   -0.20   -0.18    0.12      -0.04   -0.26   -0.06   -0.26*   0.33    0.02    0.00

  0.14    0.30    0.15    0.24      0.13    0.12      0.11    0.58    0.71      0.60    0.65    0.19    0.12    0.15       0.26    0.30    0.20    0.12    0.48    0.27    0.17
  0.10    0.07    0.04    0.08      0.04    0.04      0.02    0.11    0.04      0.08    0.04    0.12    0.04    0.05       0.14    0.29    0.04    0.04    0.04    0.04    0.07
  0.17    0.31    0.16    0.25      0.14    0.13      0.11    0.59    0.71      0.60    0.65    0.22    0.13    0.16       0.30    0.42    0.20    0.13    0.48    0.27    0.18

ll Acceptable Responses.

 87.91   87.90   89.40   91.72     86.77   91.46     91.03   81.16   83.53     89.73   88.59   88.75   92.73   86.88      89.95   80.65   90.55   90.76   91.23   92.21   88.70
 88.78   79.83   83.94   90.56     81.31   90.93     87.34   78.89   83.64     71.42   80.78   85.63   90.93   84.79      75.75   78.71   87.77   87.68   91.27   87.34   87.00
 -0.87    8.07*   5.46    1.16      5.46*   0.53      3.69*   2.27   -0.11     18.31#   7.81    3.12    1.80    2.09      14.20*   1.94    2.78    3.08   -0.04    4.87    1.70

  1.41    2.16    2.26    1.29      1.30    0.92      0.84    2.65    4.44      2.67    3.14    1.51    1.18    1.56       3.16    4.02    1.33    3.91    2.08    1.50    1.41
  1.86    2.45    2.89    1.62      1.89    1.25      1.37    2.54    3.47      4.43    3.60    2.32    1.24    1.65       5.51    2.41    4.54    2.93    2.80    3.60    1.32
  2.33    3.27    3.67    2.07      2.29    1.55      1.61    3.67    5.64      5.17    4.78    2.77    1.71    2.27       6.35    4.69    4.73    4.89    3.49    3.90    1.93

 -1.24   -1.25    0.25    2.57     -2.38#   2.31#     1.88#  -7.99#  -5.62      0.58   -0.56   -0.40    3.58#  -2.27*      0.80   -8.50*   1.40    1.61    2.08    3.06   -0.45
  2.75   -6.20#  -2.09    4.53#    -4.72#   4.90#     1.31#  -7.14#  -2.39    -14.61#  -5.25   -0.40    4.90#  -1.24     -10.28*  -7.32#   1.74    1.65    5.24*   1.31    0.97
 -3.99    4.95    2.34   -1.96      2.34   -2.59*     0.57   -0.85   -3.23     15.19#   4.69    0.00   -1.32   -1.03      11.08   -1.18   -0.34   -0.04   -3.16    1.75   -1.42

  1.34    1.80    1.81    1.32      0.64    0.62      0.52    2.24    4.12      2.39    3.07    1.39    1.07    0.95       2.93    3.60    1.50    3.72    1.78    1.68    1.18
  1.77    2.33    2.15    1.60      1.10    1.11      0.48    2.47    3.45      4.03    3.42    1.72    0.96    1.38       5.07    2.48    4.39    2.85    2.49    3.26    1.35
  2.22    2.94    2.81    2.07      1.27    1.27      0.71    3.33    5.37      4.69    4.60    2.21    1.44    1.68       5.86    4.37    4.64    4.69    3.06    3.67    1.79

 Don't Know.

  2.45    3.30    1.70    2.15      1.99    2.78      2.04    3.94    3.28      0.26    3.60    1.57    1.60    3.54       1.93    5.06    1.41    3.20    1.67    2.11    2.32
  0.84    1.78    1.57    0.33      1.08    1.16      1.00    1.79    1.28      0.54    0.22    0.87    0.48    2.08       1.77    1.77    0.00    1.72    1.70    0.49    0.97
  1.61    1.52    0.13    1.82#     0.91    1.62*     1.04    2.15    2.00     -0.28    3.38    0.70    1.12    1.46       0.16    3.29    1.41    1.48   -0.03    1.62    1.35

  1.08    1.14    0.70    0.54      0.48    0.64      0.45    1.43    1.36      0.27    2.10    0.59    0.48    0.84       1.17    1.37    0.77    2.31    0.64    0.78    0.99
  0.62    0.73    0.51    0.17      0.30    0.39      0.27    0.93    0.91      0.53    0.22    0.29    0.30    0.66       0.99    1.21    0.00    0.61    1.26    0.26    0.39
  1.25    1.35    0.87    0.57      0.57    0.75      0.52    1.71    1.64      0.59    2.11    0.66    0.57    1.07       1.53    1.83    0.77    2.39    1.41    0.82    0.97

  0.06    0.91   -0.69   -0.24     [illegible] 0.39    -0.35    1.55    0.89     -2.13#   1.21   -0.82   -0.79    1.15*     -0.46    2.67*  -0.98    0.81   -0.72   -0.28   -0.07
  0.28    0.66    0.45   -0.79#    [illegible] 0.04    -0.12    0.67    0.16     -0.58   -0.90#  -0.25   -0.64    0.96*      0.65    0.65   -1.12#   0.60    0.58   -0.63   -0.15
  0.34    0.25   -1.14    0.55     -0.36    0.35     -0.23    0.88    0.73     -1.55*   2.11   -0.57   -0.15    0.19      -1.11    2.02    0.14    0.21   -1.30    0.35    0.08

  0.86    0.93    0.66    0.61      0.33    0.32      0.21    1.19    1.40      0.52    1.93    0.50    0.49    0.50       1.10    1.16    0.79    2.11    0.67    0.87    0.69
  0.51    0.64    0.41    0.29      0.22    0.23      0.14    0.84    0.86      0.57    0.34    0.31    0.33    0.44       0.91    1.14    0.27    0.61    1.12    0.34    0.38
  1.00    1.13    0.78    0.68      0.40    0.39      0.25    1.46    1.64      0.77    1.96    0.59    0.59    0.67       1.43    1.63    0.83    2.20    1.31    0.93    0.77
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eater than 2.0 times its standard error.
eater than 2.5 times its standard error.

NAEP #: 303086-1

72-73 Report #: UU289
69-70 Report #: U681

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.

72-73 Subobj: C. Appreciate the scientific enterprise.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 03-01
69-70 Package-Exercise: 05-17

72-73 National P-val:
UU289 85.48
69-70 National P-value:
UU289 83.39

Timing: (in seconds)
Stimulus: 5
Response: 15
I don't know: 4
Pause: 6
UU289 Exercise total: 30

EXERCISE: 303086-1 00289

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF C			
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY
RESPONSE: 00 AGE: 9	TEXT: No Response.																		
1972-73 P-VALUE	0.21	0.14	0.68	0.00	0.10	0.14	0.29	0.16	0.55	0.00	0.58	0.00	0.06	0.08	0.37	0.00	0.58	0.00	0.00
1969-70 P-VALUE	0.18	0.18	0.00	0.06	0.50	0.07	0.29	0.18	0.15	0.22	0.28	0.00	0.08	0.00	0.42	0.00	0.69	0.20	0.00
CHANGE P-VALUE	0.03	-0.04	0.68	-0.06	-0.40	0.07	0.00	-0.02	0.40	-0.22	0.30	0.00	-0.02	0.08	-0.05	0.00	-0.11	-0.20	0.00
1972-73 SE OF P-VAL	0.11	0.10	0.45	0.00	0.10	0.08	0.21	0.12	0.32	0.00	0.58	0.00	0.06	0.08	0.26	0.00	0.42	0.00	0.00
1969-70 SE OF P-VAL	0.11	0.14	0.00	0.07	0.44	0.05	0.21	0.13	0.15	0.23	0.29	0.00	0.09	0.00	0.31	0.00	0.49	0.21	0.00
SE OF CHANGE P-VALUE	0.16	0.17	0.45	0.07	0.45	0.09	0.30	0.18	0.35	0.23	0.65	0.00	0.11	0.08	0.40	0.00	0.65	0.21	0.00
1972-73 DELTA-P		-0.07	0.47	-0.21	-0.11	-0.07	0.08	-0.05	0.34	-0.21	0.37	-0.21	-0.15	-0.13	0.16	-0.21	0.37	-0.21	-0.21
1969-70 DELTA-P		0.00	-0.18	-0.12	0.32	-0.11	0.11	0.00	-0.03	0.04	0.10	-0.18	-0.10	-0.18	0.24	-0.18	0.51	0.02	-0.18
CHANGE DELTA-P		-0.07	0.65	-0.09	-0.43	0.04	-0.03	-0.05	0.37	-0.25	0.27	-0.03	-0.05	0.05	-0.08	-0.03	-0.14	-0.23	-0.03
1972-73 SE OF DP		0.13	0.35	0.11	0.13	0.11	0.12	0.05	0.29	0.11	0.57	0.11	0.12	0.12	0.16	0.11	0.40	0.11	0.11
1969-70 SE OF DP		0.15	0.11	0.12	0.34	0.11	0.11	0.04	0.17	0.24	0.29	0.11	0.13	0.11	0.20	0.11	0.47	0.21	0.11
SE OF CHANGE DELTA-P		0.20	0.37	0.16	0.36	0.16	0.16	0.06	0.34	0.26	0.64	0.16	0.18	0.16	0.26	0.16	0.62	0.24	0.16
RESPONSE: 01* AGE: 9	TEXT: All Acceptable Responses.																		
1972-73 P-VALUE	85.48	88.76	80.78	86.92	85.00	86.66	84.22	88.08	72.86	81.53	73.47	86.21	85.35	88.27	84.80	84.18	70.63	92.09	84.01
1969-70 P-VALUE	83.39	82.70	80.88	84.62	84.83	84.16	82.65	85.84	72.67	74.43	77.49	73.76	85.19	88.86	79.72	80.41	69.55	87.89	83.37
CHANGE P-VALUE	2.09	6.06*	-0.10	2.30	0.17	2.50	1.57	2.24	0.19	7.10	-4.02	12.45*	0.16	-0.59	5.08*	3.77	1.08	4.20	0.64
1972-73 SE OF P-VAL	0.94	1.70	1.83	1.65	2.16	1.26	1.22	0.96	2.66	2.96	5.57	3.31	2.01	1.39	1.29	2.34	2.72	1.73	2.92
1969-70 SE OF P-VAL	1.02	2.10	2.52	1.74	2.00	1.33	1.65	0.97	3.09	3.73	5.09	3.80	1.72	1.08	1.99	5.57	3.91	2.96	2.98
SE OF CHANGE P-VALUE	1.39	2.70	3.11	2.40	2.94	1.83	2.05	1.36	4.08	4.76	7.55	5.04	2.65	1.76	2.37	6.04	4.76	3.43	4.17
1972-73 DELTA-P		3.28*	-4.70#	1.44	-0.48	1.18	-1.26	2.60#	-12.62#	-3.95	-12.01*	0.73	-0.13	2.79#	-0.68	-1.30	-14.85#	6.61#	-1.47
1969-70 DELTA-P		-0.69	-2.51	1.23	1.44	0.77	-0.74	2.45#	-10.72#	-8.96*	-5.90	-9.63#	1.80	5.47#	-3.67#	-2.98	-13.84#	4.50	-0.02
CHANGE DELTA-P		3.97	-2.19	0.21	-1.92	0.41	-0.52	0.15	-1.90	5.01	-6.11	10.36*	-1.93	-2.68	2.99	1.68	-1.01	2.11	-1.45
1972-73 SE OF DP		1.52	1.67	1.43	1.77	0.79	0.84	0.58	2.40	2.95	5.38	3.12	1.75	1.03	1.03	2.31	2.61	1.81	2.72
1969-70 SE OF DP		1.83	2.19	1.49	1.81	1.12	1.08	0.65	2.70	3.67	4.74	3.75	1.49	1.18	1.45	5.17	3.92	2.80	2.81
SE OF CHANGE DELTA-P		2.38	2.75	2.07	2.53	1.37	1.37	0.87	3.61	4.71	7.17	4.88	2.30	1.57	1.78	5.66	4.71	3.33	3.91
RESPONSE: 09 AGE: 9	TEXT: I Don't Know.																		
1972-73 P-VALUE	2.21	1.99	2.35	2.05	2.46	1.64	2.82	1.97	3.39	2.53	3.71	0.00	1.70	1.19	3.33	3.44	2.77	1.75	2.39
1969-70 P-VALUE	1.11	1.64	0.66	1.13	0.94	0.71	1.49	1.00	1.71	1.23	2.50	1.38	1.02	0.56	1.42	1.37	1.02	0.97	1.10
CHANGE P-VALUE	1.10*	0.35	1.69*	0.92	1.52	0.93*	1.33	0.97*	1.68	1.30	1.21	-1.38	0.68	0.63	1.91*	2.07	1.75	0.78	1.29
1972-73 SE OF P-VAL	0.32	0.73	0.56	0.57	0.71	0.33	0.55	0.34	0.96	1.35	1.84	0.00	0.57	0.41	0.65	1.39	0.95	0.79	1.08
1969-70 SE OF P-VAL	0.30	0.74	0.53	0.57	0.49	0.30	0.49	0.33	0.97	0.68	2.35	1.36	0.56	0.33	0.56	1.21	0.80	0.85	0.64
SE OF CHANGE P-VALUE	0.44	1.04	0.77	0.81	0.86	0.45	0.74	0.47	1.36	1.51	2.98	1.36	0.80	0.53	0.86	1.84	1.24	1.16	1.26
1972-73 DELTA-P		-0.22	0.14	-0.16	0.25	-0.57	0.61	-0.24	1.18	0.32	1.50	-2.21#	-0.51	-1.02*	1.12*	1.23	0.56	-0.46	0.18
1969-70 DELTA-P		0.53	-0.45	0.02	-0.17	-0.40	0.38	-0.11	0.60	0.12	1.39	0.27	-0.09	-0.55	0.31	0.26	-0.09	-0.14	-0.01
CHANGE DELTA-P		-0.75	0.59	-0.18	0.42	-0.17	0.23	-0.13	0.58	0.20	0.11	-2.48	-0.42	-0.47	0.81	0.97	0.65	-0.32	0.19
1972-73 SE OF DP		0.62	0.53	0.50	0.59	0.31	0.33	0.17	0.87	1.30	1.77	0.32	0.48	0.44	0.46	1.30	0.94	0.78	0.97
1969-70 SE OF DP		0.60	0.50	0.46	0.47	0.29	0.28	0.15	0.88	0.70	2.26	1.27	0.50	0.36	0.41	1.15	0.81	0.77	0.63
SE OF CHANGE DELTA-P		0.86	0.73	0.68	0.75	0.42	0.43	0.23	1.24	1.48	2.87	1.31	0.65	0.57	0.62	1.74	1.24	1.10	1.16

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* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

SCIENCE measuring the 197[illegible]-73 Objective IIIC.

		SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
NTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
0.00	0.10	0.14	0.29	0.16	0.55	0.00	0.58	0.00	0.06	0.08	0.37	0.00	0.58	0.00	0.00	0.00	0.11	0.40
0.06	0.50	0.07	0.29	0.18	0.15	0.22	0.28	0.00	0.08	0.00	0.42	0.00	0.69	0.20	0.00	0.00	0.95	0.00
0.06	-0.40	0.07	0.00	-0.02	0.40	-0.22	0.30	0.00	-0.02	0.08	-0.05	0.00	-0.11	-0.20	0.00	0.00	-0.84	0.40
0.00	0.10	0.08	0.21	0.12	0.32	0.00	0.58	0.00	0.06	0.08	0.26	0.00	0.42	0.00	0.00	0.00	[illegible]	0.28
0.07	0.44	0.05	0.21	0.13	0.15	0.23	0.29	0.00	0.09	0.00	0.31	0.00	0.49	0.21	0.00	0.00	0.83	0.00
0.07	0.45	0.09	0.30	0.18	0.35	0.23	0.65	0.00	0.11	0.08	0.40	0.00	0.65	0.21	0.00	0.00	0.84	0.28
0.21	-0.11	-0.07	0.08	-0.05	0.34	-0.21	0.37	-0.21	-0.15	-0.13	0.16	-0.21	0.37	-0.21	-0.21	-0.21	-0.10	0.19
0.12	0.32	-0.11	0.11	0.00	-0.03	0.04	0.10	-0.18	-0.10	-0.18	0.24	-0.18	0.51	0.02	-0.18	-0.18	0.77	-0.18
0.09	-0.43	0.04	-0.03	-0.05	0.37	-0.25	0.27	-0.03	-0.05	0.05	-0.08	-0.03	-0.14	-0.23	-0.03	-0.03	-0.87	0.37
0.11	0.13	0.11	0.12	0.05	0.29	0.11	0.57	0.11	0.12	0.12	0.16	0.11	0.40	0.11	0.11	0.11	0.15	0.18
0.12	0.34	0.11	0.11	0.04	0.17	0.24	0.29	0.11	0.13	0.11	0.20	0.11	0.47	0.21	0.11	0.11	0.73	0.11
0.16	0.36	0.16	0.16	0.06	0.34	0.26	0.64	0.16	0.18	0.16	0.26	0.16	0.62	0.24	0.16	0.16	0.75	0.21

esponses.

NTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
6.92	85.00	86.66	84.22	88.08	72.86	81.53	73.47	86.21	85.35	88.27	84.80	84.18	70.63	92.09	84.01	86.77	86.51	86.24
4.62	84.83	84.16	82.65	85.84	72.67	74.43	77.49	73.76	85.19	88.86	79.72	80.41	69.55	87.89	83.37	87.39	81.62	83.26
2.30	0.17	2.50	1.57	2.24	0.19	7.10	-4.02	12.45*	0.16	-0.59	5.08*	3.77	1.08	4.20	0.64	-0.62	4.89	2.98
1.65	2.16	1.26	1.22	0.96	2.66	2.96	5.57	3.31	2.01	1.39	1.29	2.34	2.72	1.73	2.92	1.52	1.98	1.58
1.74	2.00	1.33	1.65	0.97	3.09	3.73	5.09	3.80	1.72	1.08	1.99	5.57	3.91	2.96	2.98	2.73	3.07	1.40
2.40	2.94	1.83	2.05	1.36	4.08	4.76	7.55	5.04	2.65	1.76	2.37	6.04	4.76	3.43	4.17	3.12	3.65	2.11
1.44	-0.48	1.18	-1.26	2.60*	-12.62*	-3.95	-12.01*	0.73	-0.13	2.79*	-0.68	-1.30	-14.85*	6.61*	-1.47	1.29	1.03	0.76
1.23	1.44	0.77	-0.74	2.45*	-10.72*	-8.96*	-5.90	-9.63*	1.80	5.47*	-3.67*	-2.98	-13.84*	4.50	-0.02	4.00	-1.77	-0.13
0.21	-1.92	0.41	-0.52	0.15	-1.90	5.01	-6.11	10.36*	-1.93	-2.68	2.99	1.68	-1.01	2.11	-1.45	-2.71	2.80	0.89
1.43	1.77	0.79	0.84	0.58	2.40	2.95	5.38	3.12	1.75	1.03	1.03	2.31	2.61	1.81	2.72	1.57	1.77	1.05
1.49	1.81	1.12	1.08	0.65	2.70	3.67	4.74	3.75	1.49	1.18	1.45	5.17	3.92	2.80	2.81	2.56	[illegible]	1.38
2.07	2.53	1.37	1.37	0.87	3.61	4.71	7.17	4.88	2.30	1.57	1.78	5.66	4.71	3.33	3.91	3.00	[illegible]	1.73
2.05	2.46	1.64	2.82	1.97	3.39	2.53	3.71	0.00	1.70	1.19	3.33	3.44	2.77	1.75	2.39	2.60	1.13	2.14
1.13	0.94	0.71	1.49	1.00	1.71	1.23	2.50	1.38	1.02	0.56	1.42	1.37	1.02	0.97	1.10	1.82	0.99	0.88
0.92	1.52	0.93*	1.33	0.97*	1.68	1.30	1.21	-1.38	0.68	0.63	1.91*	2.07	1.75	0.78	1.29	0.78	0.14	1.26
0.57	0.71	0.33	0.55	0.34	0.96	1.35	1.84	0.00	0.57	0.41	0.65	1.39	0.95	0.79	1.08	0.87	[illegible]	0.50
0.57	0.49	0.30	0.49	0.33	0.97	0.68	2.35	1.36	0.56	0.33	0.56	1.21	0.80	0.85	0.64	1.16	[illegible]	0.42
0.81	0.86	0.45	0.74	0.47	1.36	1.51	2.98	1.36	0.80	0.53	0.86	1.54	1.24	1.16	1.26	1.45	[illegible]	0.65
0.16	0.25	-0.57	0.61	-0.24	1.18	0.32	1.50	[illegible]	0.51	-1.02*	1.12*	1.23	0.56	-0.46	0.18	0.39	[illegible]	-0.07
0.02	-0.17	-0.40	0.38	-0.11	0.60	0.12	1.39	0.27	0.09	-0.55	0.31	0.26	-0.09	-0.14	-0.01	0.71	-0.12	-0.23
0.18	0.42	-0.17	0.23	-0.13	0.58	0.20	0.11	-2.48	-0.42	-0.47	0.81	0.97	0.65	-0.32	0.19	-0.32	-0.56	0.16
0.50	0.59	0.31	0.33	0.17	0.87	1.30	1.77	0.32	0.48	0.44	0.46	1.30	0.94	0.78	0.97	0.76	0.54	0.39
0.46	0.47	0.29	0.28	0.15	0.88	0.70	2.26	1.27	0.50	0.36	0.41	1.15	0.81	0.77	0.63	1.04	0.74	0.38
0.68	0.75	0.42	0.43	0.23	1.24	1.48	2.87	1.31	0.69	0.57	0.62	1.74	1.24	1.10	1.16	1.29	0.92	0.54

0 times its standard error.
5 times its standard error.

NAEP #: 303088-1

72-73 Report #: UU290
69-70 Report #: U683

72-73 Obj: III. APPRECIATE THE KNOWLEDGE AND PROCESSES OF SCIENCE, THE CONSEQUENCES AND LIMITATIONS OF SCIENCE, AND THE PERSONAL AND SOCIAL RELEVANCE OF SCIENCE AND TECHNOLOGY IN OUR SOCIETY.
72-73 Subobj: C. Appreciate the scientific enterprise.

69-70 Obj: IV. HAVE ATTITUDES ABOUT AND APPRECIATIONS OF SCIENTISTS, SCIENCE, AND THE CONSEQUENCES OF SCIENCE THAT STEM FROM ADEQUATE UNDERSTANDINGS.

Science Type: Unclassified

Exercise Type: Multiple choice
Scoring Type: Machine
Administration Mode: Group

Age: 9
72-73 Package-Exercise: 07-28
69-70 Package-Exercise: 07-18

72-73 National P-val:
UU290 70.39
69-70 National P-value:
UU290 70.68

Timing: (in seconds)
Stimulus: 8
Response: 12
I don't know: 4
Pause: 6
UU290 Exercise total: 30

EXERCISE: 303088-1 UU290

This unreleased change exercise dealt with UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

	NATION	REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF CO			
		NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CTY
RESPONSE: 00 AGE: 9	**TEXT: No Response.**																		
1972-73 P-VALUE	0.18	0.00	0.21	0.25	0.27	0.15	0.21	0.14	0.24	0.61	0.39	0.00	0.20	0.14	0.20	0.00	0.48	0.27	0.31
1969-70 P-VALUE	0.02	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.13	0.19	0.00	0.00	0.10	0.00	0.00	0.16	0.00	0.00	0.09
CHANGE P-VALUE	0.16*	0.00	0.16	0.25	0.22	0.15	0.16	0.14*	0.11	0.42	0.39	0.00	0.10	0.14	0.20	-0.16	0.48	0.27	0.22
1972-73 SE OF P-VAL	0.08	0.00	0.16	0.17	0.20	0.10	0.11	0.07	0.25	0.62	0.39	0.00	0.16	0.12	0.13	0.00	0.49	0.27	0.32
1969-70 SE OF P-VAL	0.02	0.00	0.06	0.00	0.05	0.00	0.04	0.00	0.14	0.19	0.00	0.00	0.07	0.00	0.00	0.18	0.00	0.00	0.09
SE OF CHANGE P-VALUE	0.08	0.00	0.17	0.17	0.21	0.10	0.12	0.07	0.29	0.65	0.39	0.00	0.17	0.12	0.13	0.18	0.49	0.27	0.33
1972-73 DELTA-P		-0.18*	0.03	0.07	0.09	-0.03	0.03	-0.04	0.06	0.43	0.21	-0.18*	0.02	-0.04	0.02	-0.18*	0.30	0.09	0.13
1969-70 DELTA-P		-0.02	0.03	-0.02	0.03	-0.02	0.03	-0.02	0.11	0.17	-0.02	-0.02	0.08	-0.02	-0.02	0.14	-0.02	-0.02	0.07
CHANGE DELTA-P		-0.16*	0.00	0.09	0.06	-0.01	0.00	-0.02	-0.05	0.26	0.23	-0.16*	-0.06	-0.02	0.04	-0.32	0.32	0.11	0.06
1972-73 SE OF DP		0.08	0.14	0.14	0.17	0.07	0.07	0.05	0.23	0.59	0.38	0.08	0.14	0.10	0.09	0.08	0.46	0.25	0.29
1969-70 SE OF DP		0.02	0.05	0.02	0.04	0.02	0.02	0.02	0.13	0.18	0.02	0.02	0.06	0.02	0.02	0.17	0.02	0.02	0.08
SE OF CHANGE DELTA-P		0.08	0.15	0.14	0.17	0.07	0.07	0.05	0.26	0.62	0.38	0.08	0.15	0.10	0.09	0.19	0.46	0.25	0.30
RESPONSE: 02* AGE: 9	**TEXT: All Acceptable Responses.**																		
1972-73 P-VALUE	70.39	75.13	63.91	70.30	71.92	71.07	69.70	75.13	48.29	58.57	62.71	65.76	70.67	78.53	65.20	68.32	57.72	81.49	62.53
1969-70 P-VALUE	70.68	74.30	63.58	71.41	72.67	72.63	68.61	73.30	58.18	53.94	53.56	71.06	69.92	76.53	67.07	61.15	58.41	83.55	73.26
CHANGE P-VALUE	-0.29	0.83	0.33	-1.11	-0.75	-1.56	1.09	1.83	-9.89	4.63	9.15	-5.30	0.75	2.00	-1.87	7.17	-0.69	-2.06	-10.73
1972-73 SE OF P-VAL	1.35	2.87	2.46	2.57	2.52	1.45	1.70	1.33	3.88	3.90	4.26	5.07	2.25	1.97	1.77	4.62	5.78	3.62	4.00
1969-70 SE OF P-VAL	1.23	2.36	2.78	2.33	2.29	1.52	2.03	1.34	4.44	3.18	5.98	5.55	2.43	2.18	2.15	5.85	2.96	3.75	4.06
SE OF CHANGE P-VALUE	1.83	3.72	3.71	3.47	3.41	2.10	2.65	1.89	5.90	5.03	7.34	7.52	3.31	2.94	2.78	7.45	6.49	5.21	5.70
1972-73 DELTA-P		4.74	-6.48#	-0.09	1.53	0.68	-0.69	4.74#	-22.10#	-11.82#	-7.68	-4.63	0.28	8.14#	-5.19#	-2.07	-12.67*	11.10#	-7.86*
1969-70 DELTA-P		3.62	-7.10#	0.73	1.99	1.95	-2.07	2.62#	-12.50#	-16.74#	-17.12#	0.38	-0.76	5.85#	-3.61*	-9.53	-12.27#	12.87#	2.58
CHANGE DELTA-P		1.12	0.62	-0.82	-0.46	-1.27	1.38	2.12*	-9.60	4.92	9.44	-5.01	1.04	2.29	-1.58	7.46	-0.40	-1.77	-10.44
1972-73 SE OF DP		2.39	2.20	2.17	2.32	0.82	0.82	0.74	3.72	3.75	4.16	4.66	1.85	1.38	1.49	4.76	5.62	3.40	3.72
1969-70 SE OF DP		2.01	2.44	1.98	2.09	1.26	1.35	0.59	4.36	3.15	5.99	5.52	2.16	1.75	1.78	5.60	2.92	3.60	3.69
SE OF CHANGE DELTA-P		3.12	3.29	2.94	3.12	1.50	1.58	0.95	5.73	4.90	7.29	7.22	2.84	2.23	2.32	7.35	6.33	4.95	5.24
RESPONSE: 09 AGE: 9	**TEXT: I Don't Know.**																		
1972-73 P-VALUE	5.59	5.67	7.04	4.52	5.30	4.80	6.38	5.20	7.21	6.99	5.62	4.71	3.65	5.02	7.14	3.23	6.16	3.28	6.23
1969-70 P-VALUE	6.53	5.84	4.85	9.44	5.42	4.45	8.74	6.54	5.29	8.39	5.96	4.56	5.33	4.97	9.43	9.56	6.39	3.13	5.63
CHANGE P-VALUE	-0.94	-0.17	2.19	-4.92*	-0.12	0.35	-2.36	-1.34	1.92	-1.40	-0.34	0.15	-1.68	0.05	-2.29	-6.33#	-0.23	0.15	0.60
1972-73 SE OF P-VAL	0.51	0.96	1.03	1.08	0.89	0.50	0.85	0.58	1.21	1.67	2.62	2.66	0.79	1.13	0.84	1.15	1.54	1.57	1.42
1969-70 SE OF P-VAL	0.70	1.42	0.95	1.81	1.07	0.72	1.20	0.79	1.62	2.05	2.47	2.44	1.27	1.06	1.36	1.89	1.19	1.13	1.31
SE OF CHANGE P-VALUE	0.87	1.71	1.40	2.11	1.39	0.88	1.47	0.98	2.02	2.64	3.60	3.61	1.50	1.55	1.60	2.21	1.95	1.93	1.93
1972-73 DELTA-P		0.08	1.45	-1.07	-0.29	-0.79	0.79	-0.39	1.62	1.40	0.03	-0.88	-1.94#	-0.57	1.55*	-2.36*	0.57	-2.31	0.64
1969-70 DELTA-P		-0.69	-1.68	2.91*	-1.11	-2.08#	2.21#	0.01	-1.24	1.86	-0.57	-1.97	-1.20	-1.56	2.90*	3.03	-0.14	-3.40#	-0.90
CHANGE DELTA-P		0.77	3.13*	-3.98*	0.82	1.29	-1.42	-0.40	2.86	-0.46	0.60	1.09	-0.74	0.99	-1.35	-5.39#	0.71	1.03	1.54
1972-73 SE OF DP		0.84	0.91	0.87	0.84	0.48	0.48	0.20	1.18	1.60	2.53	2.60	0.73	0.99	0.67	1.12	1.46	1.39	1.44
1969-70 SE OF DP		1.19	1.03	1.43	1.03	0.66	0.72	0.23	1.64	1.98	2.56	2.29	0.90	0.88	1.20	1.77	1.29	1.22	1.37
SE OF CHANGE DELTA-P		1.46	1.37	1.67	1.33	0.82	0.87	0.35	2.02	2.55	3.60	3.46	1.16	1.32	1.37	2.09	1.95	1.85	1.99

* The absolute value of this number is greater than 2.0 times its standard error.
# The absolute value of this number is greater than 2.5 times its standard error.

th UNCLASSIFIED SCIENCE measuring the 1972-73 Objective IIIC.

REGION				SEX		RACE			PARENTAL EDUCATION					SIZE-AND-TYPE OF COMMUNITY						
NORTH EAST	SOUTH EAST	CENTRAL	WEST	MALE	FEMALE	WHITE	BLACK	OTHER RACE	NO HS	SOME HS	GRAD HS	POST HS	UNKNOWN	EXTREME RURAL	LOW METRO	HIGH METRO	MAIN BIG CITY	URBAN FRINGE	MEDIUM CITY	SMALL PLACES
o Response.																				
0.00	0.21	0.25	0.27	0.15	0.21	0.14	0.24	0.61	0.39	0.00	0.20	0.14	0.20	0.00	0.48	0.27	0.31	0.00	0.00	0.24
0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.13	0.19	0.00	0.00	0.10	0.00	0.00	0.16	0.00	0.00	0.09	0.00	0.00	0.00
0.00	0.16	0.25	0.22	0.15	0.16	0.14*	0.11	0.42	0.39	0.00	0.10	0.14	0.20	-0.16	0.48	0.27	0.22	0.00	0.00	0.24
0.00	0.16	0.17	0.20	0.10	0.11	0.07	0.25	0.62	0.39	0.00	0.16	0.12	0.13	0.00	0.49	0.27	0.32	0.00	0.00	0.15
0.00	0.06	0.00	0.05	0.00	0.04	0.00	0.14	0.19	0.00	0.00	0.07	0.00	0.00	0.18	0.00	0.00	0.09	0.00	0.00	0.00
0.00	0.17	0.17	0.21	0.10	0.12	0.07	0.29	0.65	0.39	0.00	0.17	0.12	0.13	0.18	0.49	0.27	0.33	0.00	0.00	0.15
-0.18*	0.03	0.07	0.09	-0.03	0.03	-0.04	0.06	0.43	0.21	-0.18*	0.02	-0.04	0.02	-0.18*	0.30	0.09	0.13	-0.18*	-0.18*	0.06
-0.02	0.03	-0.02	0.03	-0.02	0.03	-0.02	0.11	0.17	-0.02	-0.02	0.08	-0.02	-0.02	0.14	-0.02	-0.02	0.07	-0.02	-0.02	-0.02
-0.16*	0.00	0.09	0.06	-0.01	0.00	-0.02	-0.05	0.26	0.23	-0.16*	-0.06	-0.02	0.04	-0.32	0.32	0.11	0.06	-0.16*	-0.16*	0.08
0.08	0.14	0.14	0.17	0.07	0.07	0.05	0.23	0.59	0.38	0.00	0.14	0.10	0.09	0.08	0.46	0.25	0.29	0.08	0.08	0.12
0.02	0.05	0.02	0.04	0.02	0.02	0.02	0.13	0.18	0.02	0.02	0.06	0.02	0.02	0.17	0.02	0.02	0.08	0.02	0.02	0.02
0.08	0.15	0.14	0.17	0.07	0.07	0.05	0.26	0.62	0.38	0.08	[illegible]	0.10	0.09	0.19	0.46	0.25	0.30	0.08	0.08	0.12
ll Acceptable Responses.																				
75.13	63.91	70.30	71.92	71.07	69.70	75.13	48.29	58.57	62.71	65.76	70.67	7[illegible].53	65.20	68.32	57.72	81.49	62.53	73.16	70.76	70.86
74.30	63.58	71.4[illegible]	72.67	72.63	68.61	73.30	58.18	53.94	53.56	71.06	69.92	76.53	67.07	61.15	58.41	83.55	73.26	71.79	70.18	70.46
0.83	0.33	[illegible]	-0.75	-1.56	1.09	1.83	-9.89	4.63	9.15	-5.30	0.75	2.00	-1.87	7.17	-0.69	-2.06	-10.73	1.37	0.58	0.40
2.87	2.46	2.57	2.52	1.45	1.70	1.33	3.88	3.90	4.26	5.07	2.25	1.97	1.77	4.62	5.78	3.62	4.00	3.19	2.98	2.43
2.36	2.78	2.33	2.2[illegible]	1.52	2.03	1.34	4.44	3.18	5.98	5.55	2.43	2.18	2.15	5.85	2.96	3.75	4.06	2.11	2.01	2.35
3.72	3.71	3.47	3.[illegible]	2.10	2.65	1.89	5.90	5.03	7.34	7.52	3.31	2.94	2.78	7.45	6.49	5.21	5.70	3.82	3.59	3.38
4.74	-6.48#	-0.09	1.53	0.68	-0.69	4.74#	-22.10#	-11.82#	-7.68	-4.63	0.28	8.14#	-5.19#	-2.07	-12.67*	11.10#	-7.86*	2.77	0.37	0.47
3.62	-7.10#	0.73	1.99	1.95	-2.07	2.62#	-12.50#	-16.74#	-17.12#	0.38	-0.76	5.85#	-3.61*	-9.53	-12.27#	12.87#	2.58	1.11	-0.50	-0.22
1.12	0.62	-0.82	-0.46	-1.27	1.38	2.12*	-9.60	4.92	9.44	-5.01	1.04	2.29	-1.58	7.46	-0.40	-1.77	-10.44	1.66	0.87	0.69
2.39	2.20	2.17	2.32	0.82	0.82	0.74	3.72	3.75	4.16	4.66	1.85	1.38	1.49	4.76	5.62	3.40	3.72	2.92	2.82	1.99
2.01	2.44	1.98	2.09	1.26	1.35	0.59	4.36	3.15	5.99	5.52	2.16	1.75	1.78	5.60	2.92	3.60	3.69	2.32	2.3[illegible]	1.83
3.12	3.29	2.94	3.12	1.50	1.58	0.95	5.73	4.90	7.29	7.22	2.84	2.23	2.32	7.35	6.33	4.95	5.24	3.73	3.68	2.70
Don't Know.																				
5.67	7.04	4.52	5.30	4.80	6.38	5.20	7.21	6.99	5.62	4.71	3.65	5.02	7.14	3.23	6.16	3.28	6.23	4.55	8.16	6.23
5.84	4.85	9.44	5.42	4.45	8.74	6.54	5.29	8.39	5.96	4.56	5.33	4.97	9.43	9.56	6.39	3.13	5.63	6.66	9.24	6.10
-0.17	2.19	-4.92*	-0.12	0.35	-2.36	-1.34	1.92	-1.40	-0.34	0.15	-1.68	0.05	-2.29	-6.33#	-0.23	0.15	0.60	-2.11	-1.08	0.13
0.96	1.03	1.08	0.89	0.50	0.85	0.58	1.21	1.67	2.62	2.66	0.79	1.13	0.84	1.15	1.54	1.57	1.42	1.33	1.56	0.86
1.42	0.95	1.81	1.07	0.72	1.20	0.79	1.62	2.05	2.47	2.44	1.27	1.06	1.36	1.89	1.19	1.13	1.31	2.19	2.94	1.12
1.71	1.40	2.11	1.39	0.88	1.47	0.98	2.02	2.64	3.60	3.61	1.50	1.55	1.60	2.21	1.95	1.93	1.93	2.56	3.33	1.41
0.08	1.45	-1.07	-0.29	-0.79	0.79	-0.39	1.62	1.40	0.03	-0.88	-1.94#	-0.57	1.55*	-2.36*	0.57	-2.31	0.64	-1.04	2.57	0.64
-0.69	-1.68	2.91*	-1.11	-2.08#	2.21#	0.01	-1.24	1.86	-0.57	-1.97	-1.20	-1.56	2.90*	3.03	-0.14	-3.40#	-0.90	0.13	2.71	-0.43
0.77	3.13*	-3.98*	0.82	1.29	-1.42	-0.40	2.86	-0.46	0.60	1.09	-0.74	0.99	-1.35	-5.39#	0.71	1.0[illegible]	1.54	-1.17	-0.14	1.07
0.84	0.91	0.87	0.84	0.48	0.4[illegible]	0.26	1.18	1.60	2.53	2.60	0.73	0.99	0.67	1.12	1.46	1.39	1.44	1.23	1.41	0.73
1.19	1.03	1.43	1.03	0.66	0.72	0.23	1.64	1.98	2.56	2.29	0.90	0.88	1.20	1.77	1.29	1.22	1.37	1.98	2.67	0.88
1.46	1.37	1.67	1.33	0.82	0.87	0.35	2.02	2.55	3.60	3.46	1.16	1.32	1.37	2.09	1.95	1.85	1.99	2.33	3.02	1.14

greater than 2.0 times its standard error.
greater than 2.5 times its standard error.